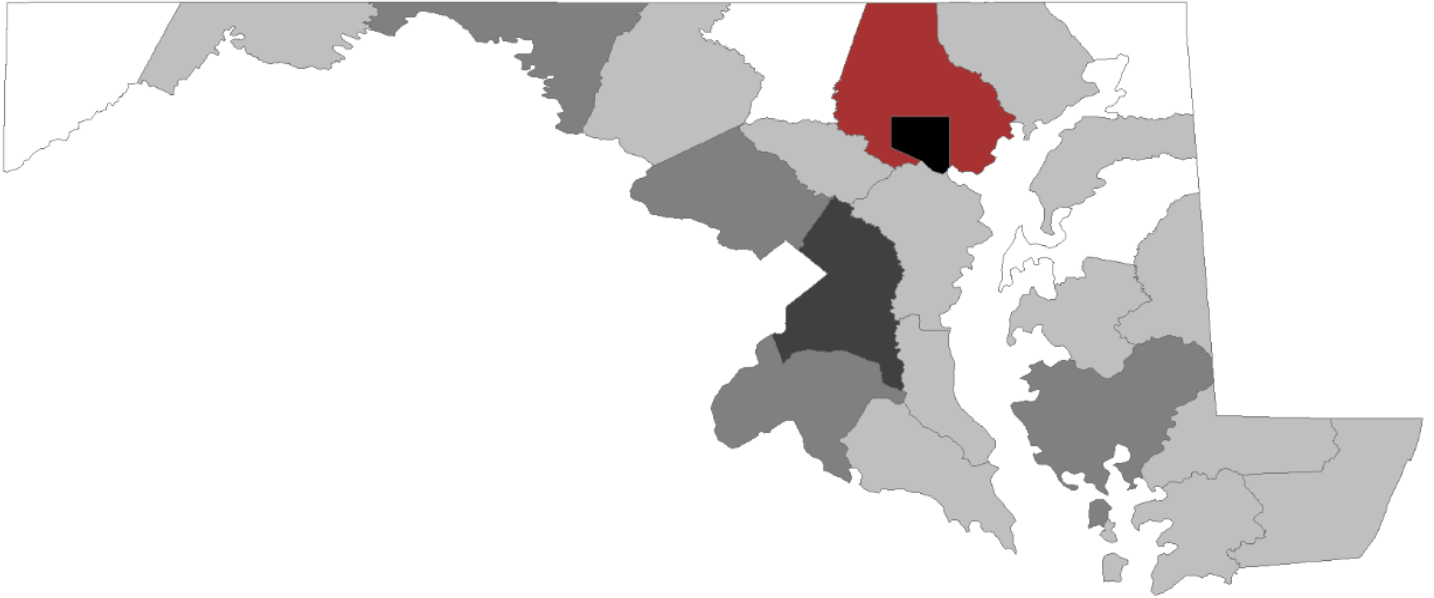


# 2015



# Baltimore County HIV Annual Epidemiological Profile

Data reported through June 30, 2016

Center for HIV Surveillance, Epidemiology and Evaluation  
Infectious Disease Epidemiology and Outbreak Response Bureau  
Prevention and Health Promotion Administration  
Maryland Department of Health and Mental Hygiene  
<http://phpa.dhmh.maryland.gov/OIDEOR/CHSE>  
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## *Center for HIV Surveillance, Epidemiology and Evaluation*

Colin Flynn, Chief  
Jami Stockdale, Deputy Chief, Epidemiology and Evaluation  
Reshma Bhattacharjee, Deputy Chief, HIV Case Surveillance

Alyssa Arey, Epidemiologist  
Morgan Boyer, Epidemiologist  
Harold Boykin, Epidemiologist  
James Carrier, Epidemiologist  
Molly Gribbin, Epidemiologist  
Jennifer Lawall, Epidemiologist

Leigh Carels, Surveillance Investigator  
Phyllis Finch, Surveillance Investigator  
Delwar Hossain, Surveillance Investigator  
Bekele Mamo, Surveillance Investigator  
Winona Matthews, Surveillance Investigator  
Carly Stokum, Surveillance Investigator  
Assefa Tigeneh, Surveillance Investigator  
Denise Bannerman-Wood, Data Quality Specialist/NIR Coordinator

Yvonne Childress, Data Specialist  
Kathy Colburn, Data Specialist  
Lillian Keene, Data Specialist

Nancy McCaslin, Research Statistician  
Marilyn Walkins, Health Record Reviewer

Linda Knapp, Evaluator  
Sara Daneshpour, Evaluator  
Claire Kihn, Research Assistant

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## Table of Contents

<b>Acknowledgements .....</b>	<b>1</b>
<b>Table of Contents .....</b>	<b>1</b>
<b>Section I – Background Information .....</b>	<b>4</b>
HIV/AIDS Reporting Requirements .....	4
For Assistance with HIV/AIDS Reporting.....	4
Limitations in the HIV/AIDS Data .....	4
Stages of a Case of HIV/AIDS .....	5
Changes in Case Terminology .....	5
Laboratory Data .....	6
Sources of Data .....	6
Tabulation of Column Totals.....	6
Data Suppression .....	6
HIV Exposure Categories .....	6
<b>Section II – Trends 1985-2015 .....</b>	<b>8</b>
Figure 1 – Trends in Reported HIV and AIDS Diagnoses and Deaths, 1985-2015, Reported through 6/30/2016 .....	8
Figure 2 – Trends in Living HIV Cases, 1985-2015, Reported through 6/30/2016 .....	9
Figure 3 – Trends in Adult/Adolescent Reported HIV Diagnoses by Sex at Birth, 1985-2015, Reported through 6/30/2016.....	10
Figure 4 – Trends in Adult/Adolescent Reported HIV Diagnoses by Race/Ethnicity, 1985-2015, Reported through 6/30/2016.....	11
Figure 5 – Trends in Adult/Adolescent Reported HIV Diagnoses by Age at Diagnosis, 1985-2015, Reported through 6/30/2016.....	12
Figure 6 – Trends in Adult/Adolescent Reported HIV Diagnoses by Exposure Category, 1985-2015, Reported through 6/30/2016.....	13
<b>Section III – Adult/Adolescent Cases by Jurisdiction .....</b>	<b>14</b>
Table 1 – Adult/Adolescent HIV Diagnoses during 2015, First CD4 Test Result, Percent Linked to Care, and Percent Late Diagnosis, by Jurisdiction, Reported through 6/30/2016 .....	14
Table 2 – Adult/Adolescent AIDS Diagnoses during 2015, Mean Years from HIV Diagnosis and Percent Late HIV Diagnosis, by Jurisdiction, Reported through 6/30/2016 .....	16
Table 3 – Adult/Adolescent HIV Cases Alive on 12/31/2015, by Jurisdiction, Reported through 6/30/2016 .....	18
Table 3A – Adult/Adolescent HIV Cases Alive on 12/31/2015, by Jurisdiction and Current Residence, Reported through 6/30/2016.....	20
Table 4 – CD4 Test Results for Adult/Adolescent HIV Cases Alive on 12/31/2015, Reported through 6/30/2016.....	22
Table 5 – Viral Load Test Results for Adult/Adolescent HIV Cases Alive on 12/31/2015, by Jurisdiction, Reported through 6/30/2016 .....	24
Figure 7 – Prevalence-Based Estimated Adult/Adolescent 2015 HIV Continuum of Care Cascades, Reported through 6/30/2016.....	26
Figure 7A – Prevalence-Based Estimated Adult/Adolescent 2015 HIV Continuum of Care Cascades, by Current Residence, Reported through 6/30/2016 .....	27
Figure 8 – Diagnosis-Based Estimated Adult/Adolescent 2015 HIV Continuum of Care Cascades, Reported through 6/30/2016.....	28
Figure 8A – Diagnosis-Based Estimated Adult/Adolescent 2015 HIV Continuum of Care Cascades, by Current Residence, Reported through 6/30/2016 .....	29
<b>Section IV – Cases by Age .....</b>	<b>30</b>
Table 6 – HIV Diagnoses during 2015, First CD4 Test Result, Percent Linked to Care, Percent Late Diagnosis, by Age at HIV Diagnosis, Reported through 6/30/2016 .....	30
Table 7 – AIDS Diagnoses during 2015, Mean Years from HIV Diagnosis and Percent Late HIV Diagnosis, by Age at AIDS Diagnosis, Reported through 6/30/2016 .....	30
Table 8 – HIV Cases Alive on 12/31/2015, by Age on 12/31/2015, Reported through 6/30/2016 .....	32
Table 9 – CD4 Test Results for Adult/Adolescent HIV Cases Alive on 12/31/2015, by Age on 12/31/2015, Reported through 6/30/2016 .....	33
Table 10 – Viral Load Test Results for Adult/Adolescent HIV Cases Alive on 12/31/2015, by Age on 12/31/2015, Reported through 6/30/2016 .....	33
<b>Section V – Adult/Adolescent Cases by Demographics .....</b>	<b>34</b>
Table 11 – Adult/Adolescent HIV Diagnoses during 2015, First CD4 Test Result, Percent Linked to Care, and Percent Late Diagnosis, by Sex at Birth, Race/Ethnicity and Country of Birth, Reported through 6/30/2016 .....	34
Table 12 – Adult/Adolescent AIDS Diagnoses during 2015, Mean Years from HIV Diagnosis and Percent Late HIV Diagnosis, by Sex at Birth, Race/Ethnicity and Country of Birth, Reported through 6/30/2016 .....	36

Table 13 – Adult/Adolescent Living HIV Cases with and without AIDS by Sex at Birth, Race/Ethnicity, and Country of Birth, Alive on 12/31/2015 and Reported through 6/30/2016 .....	37
Table 14 –Adult/Adolescent Total Living HIV Cases, Recent CD4 Test Results, by Sex at Birth, Race/Ethnicity and Country of Birth, Alive on 12/31/2015 and Reported through 6/30/2016 .....	38
Table 15 – Adult/Adolescent Total Living HIV Cases, Recent Viral Load Test Results, by Sex at Birth, Race/Ethnicity and Country of Birth, Alive on 12/31/2015 and Reported through 6/30/2016 .....	39
<b>Section VI – HIV Cases by Expanded Demographics.....</b>	<b>40</b>
Figure 9 – Population Pyramids of Total Living HIV Cases by Current Age, Sex at Birth, and Race/Ethnicity, Alive on 12/31/2015 and Reported through 6/30/2016 .....	40
Table 16 – Total Living Male HIV Cases by Current Age and Race/Ethnicity, Alive on 12/31/2015 and Reported through 6/30/2016.....	41
Table 17 – Total Living Female HIV Cases by Current Age and Race/Ethnicity, Alive on 12/31/2015 and Reported through 6/30/2016 .....	42
<b>Section VII – HIV Exposure Category .....</b>	<b>43</b>
Table 18 – Adult/Adolescent HIV Diagnoses during 2015, First CD4 Test Result, Percent Linked to Care, and Percent Late Diagnosis, by Exposure Category and Sex at Birth, Reported through 6/30/2016 .....	43
Table 19 – Adult/Adolescent AIDS Diagnoses during 2015, Mean Years from HIV Diagnosis and Percent Late HIV Diagnosis, by Exposure Category and Sex at Birth, Reported through 6/30/2016 .....	45
Table 20 – Adult/Adolescent Living HIV Cases with and without AIDS by Exposure Category and Sex at Birth, Alive on 12/31/2015 and Reported through 6/30/2016 .....	46
Table 21 – Adult/Adolescent Total Living HIV Cases by Exposure Category, Race/Ethnicity, and Sex at Birth, Alive on 12/31/2015 and Reported through 6/30/2016 .....	47
Table 22 – Adult/Adolescent Total Living HIV Cases, Recent CD4 Test Results by Exposure Category, Alive on 12/31/2015 and Reported through 6/30/2016 .....	48
Table 23 – Adult/Adolescent Total Living HIV Cases, Recent Viral Load Test Results by Exposure Category, Alive on 12/31/2015 and Reported through 6/30/2016 .....	48
<b>Section VIII – Disease Progression and Mortality.....</b>	<b>49</b>
Figure 10 – Trends in Disease Progression by Year of HIV Diagnosis, 1985-2014, Reported through 6/30/2016 .....	49
Figure 11 – Trends in Survival Times by Year of AIDS Diagnosis, 1985-2014, Reported through 6/30/2016 .....	50
<b>Section IX – Pediatric Cases .....</b>	<b>50</b>
Figure 12 – Trends in Pediatric HIV Cases, 1985-2015, Reported through 6/30/2016.....	51
Table 24 – Pediatric HIV Total Living HIV Cases, Alive on 12/31/2015, by Jurisdiction, Reported through 6/30/2016.	52
Table 25 – Pediatric Total Living HIV Cases by Sex at Birth and Race/Ethnicity, Alive on 12/31/2015 and Reported through 6/30/2016 .....	53
<b>Glossary of Terms.....</b>	<b>54</b>

# Section I – Background Information

## HIV/AIDS Reporting Requirements

The Maryland HIV/AIDS Reporting Act of 2007 went into effect on April 24, 2007. The law expanded HIV/AIDS reporting and required that HIV cases be reported by name. The following highlights the reporting requirements of Health-General Articles 18-201.1, 18-202.1, and 18-205 of the Annotated Code of Maryland, as specified in COMAR 10.18.02.

- Physicians are required to report patients in their care with diagnoses of HIV or AIDS immediately to the Local Health Department where the physician's office is located by mailing DHMH Form 1140. Reports are also accepted by phone.
- Physicians are required to report infants born to HIV positive mothers within 48 hours to the State Health Department by mailing DHMH Form 1140. Reports are also accepted by phone.
- Clinical and infection control practitioners in hospitals, nursing homes, hospice facilities, medical clinics in correctional facilities, inpatient psychiatric facilities, and inpatient drug rehabilitation facilities are required to report patients in the care of the institution with diagnoses of HIV or AIDS within 48 hours to the Local Health Department where the institution is located by mailing DHMH Form 1140. Reports are also accepted by phone. Facilities with large volumes are encouraged to contact the State Health Department to establish electronic reporting.
- Laboratory Chiefs are required to report patients with laboratory results indicating HIV infection (e.g., positive confirmatory HIV diagnostic tests, all CD4 immunological tests, all HIV viral load tests, and all HIV genotype and phenotype tests) within 48 hours to the Local Health Department where the laboratory is located, or if out of state to the Maryland State Health Department, by mailing DHMH Form 4492. Laboratories are encouraged to contact the State Health Department to establish electronic reporting.

Reporting forms and instructions are available on our website:

<http://phpa.dhmf.maryland.gov/OIDEOR/CHSE/Pages/reporting-material.aspx>

## For Assistance with HIV/AIDS Reporting

For assistance with reporting, including establishment of routine, electronic, or other alternate methods of reporting to the Health Department, please contact the Center for HIV Surveillance, Epidemiology and Evaluation in the Maryland Department of Health and Mental Hygiene at 410-767-5227.

## Limitations in the HIV/AIDS Data

This epidemiological profile only contains data for HIV and AIDS cases that have been diagnosed by a health care provider, were reported to the health department by name, and were residents of Maryland at the time of diagnosis or are current residents of Maryland as of 6/30/2016. Nationally, it has been estimated that 13.0% of people living with HIV infection are undiagnosed. In Maryland, it has been estimated that 16.3% of people living with HIV infection are undiagnosed. In addition, despite a massive effort during which over 17,000 HIV cases were reported after the Maryland HIV reporting law changed on April 24, 2007, not all diagnosed HIV cases previously reported by Maryland's code-based identifier were located and re-reported by name. Many of the re-reported HIV cases were identified by a recent diagnosis and not by their earliest diagnosis, resulting in an under-reporting of HIV diagnoses before 2001 and an over-reporting of HIV diagnoses from 2001 to 2008. It is important to note that surveillance is an ongoing systematic collection, analysis, interpretation, and dissemination of laboratory data. Furthermore, laboratory data are only available for cases receiving medical care, usually only at facilities in Maryland, and only includes test results that have been reported to the health department. Linkage to care data is based solely on laboratory data reported to the health department. Caution should be exercised in using the number of living HIV cases without AIDS and in interpreting trends in the number of reported HIV diagnoses.

In addition to providing estimates of prevalent cases by residence at HIV diagnosis, this epidemiological profile includes estimates for HIV cases whose current residence as of 6/30/2016 was in Maryland. Current residence data are restricted to cases for which there is a case report form or laboratory test reported between 1/1/2009 and 6/30/2016. Restricting address data to recent years presents the most accurate data available and helps to account for cases that may have

moved out of state whose data would no longer be reported in Maryland. However, current residence data excludes cases that may be residents of Maryland but have fallen out of care during the most recent seven years. Current residence utilizes addresses as recent as 2016 but uses laboratory data from 2015 to allow for laboratory reporting.

## Stages of a Case of HIV/AIDS

Untreated HIV disease progresses from HIV infection to AIDS to death. These are biological events that occur whether or not a person receives any medical care. For example, a person can be HIV infected but never have an HIV test and so they do not have an HIV diagnosis. A medical provider diagnoses that these biological events have occurred and records them as a medical event. The law requires medical providers to report these medical events to the Health Department, thereby creating a surveillance event.

Time Point	Biological Event	Medical Event	Surveillance Event
1	HIV Infection		
2		HIV Diagnosis	
3			HIV Report
4	AIDS Conditions		
5		AIDS Diagnosis	
6			AIDS Report
7	Death		
8		Death Diagnosis	
9			Death Report

A case of HIV/AIDS can only move through time in one direction, from HIV infection to death report [from time point 1 to time point 9], but may skip over individual stages. Events can occur simultaneously, but usually there is a time lag between them. The time lag between events can be measured in days, months, and years.

For example, the time between HIV infection [time point 1] and the test that diagnoses HIV [time point 2] may be several years, and it may then take several days for the laboratory and physician to report the diagnosis to the health department [time point 3]. In a second example, a person with diagnosed and reported HIV infection [time point 3] may die [time point 7] without developing AIDS, thereby skipping the three AIDS events (conditions, diagnosis, and report [time points 4, 5 and 6]). And in a third example, a person with undiagnosed HIV infection [time point 1] may become sick, enter the hospital, and die [time point 7] of what is later determined to be AIDS. In that situation, HIV diagnosis [time point 2], AIDS diagnosis [time point 5], and death diagnosis [time point 8] would all occur at the same time, and that would probably be many years after the initial HIV infection [time point 1].

## Changes in Case Terminology

The terminology for HIV and AIDS cases was changed from earlier epidemiological profiles to be more precise, with Reported Diagnoses replacing Incidence and Living Cases replacing Prevalence. Incidence is a measure of the number of new events (such as HIV infections) in a population during a period of time. Prevalence is a measure of the number of people living with a condition (such as HIV) in a population at a certain time. Prevalence includes both new and old diagnosed cases as well as undiagnosed infections. For HIV, Incidence and Prevalence cannot be directly measured and must be estimated using statistical methods. The HIV surveillance system is able to provide the actual number of diagnoses and deaths that are reported in the population.

For this epidemiological profile, the reports received through a certain time (six months after December 31<sup>st</sup> of the specified year) are used to generate the number of diagnoses during the prior years. This lag time allows for delays in reporting and time to complete investigations. Instead of the previous one-year lag, this epidemiological profile utilizes a six-month lag, and as a result, data on exposure category and deaths for the prior year are preliminary. For example, the Reported HIV Diagnoses for 2015 are the total of the reported HIV cases with or without an AIDS diagnosis, diagnosed with HIV during 01/01/2015-12/31/2015, as reported by name through 6/30/2016.

To calculate the number of Living Cases we count up all of the Reported Diagnoses from the beginning of the epidemic (all the new cases each year) and subtract all of the Reported Deaths. For example, the Total Living HIV Cases on



6/30/2016 are the total of the reported HIV Cases with or without an AIDS diagnosis and not reported to have died as of 12/31/2015 as reported by name through 6/30/2016.

## Laboratory Data

CD4+ T-lymphocyte tests are measures of a person's immune system function. An HIV infected adult is considered to have AIDS if they have less than 200 CD4 cells per microliter of blood. Viral load (VL) tests are measures of the amount of HIV in a person's body. The goal of HIV treatment is to have a very low number of copies of virus per milliliter of blood, below what the test can measure, which is called an undetectable level. Treatment recommendations are that a person in HIV medical care should have their CD4 and VL levels measured regularly, at least once per year. We use the presence of these lab tests as an indicator that someone has been "linked to care" after diagnosis or is "in care."

## Sources of Data

Information on HIV and AIDS diagnoses, including residence at diagnosis, age, race/ethnicity, sex at birth, country of birth, vital status, HIV exposure category, and CD4 and HIV viral load test results are from the Maryland Department of Health and Mental Hygiene's Enhanced HIV/AIDS Reporting System (eHARS), June 30, 2016.

Population data by sex, age, and race/ethnicity are from the July 1, 2015 U.S. Census Estimates and by country-of-birth from the 2014 American Community Survey (note the difference in total population due to different source). Due to estimation limitations, some population totals may not equal the sum of its components. When needed, age groups were divided by assuming uniform age distribution within the age group. Non-Hispanic multiple race and Non-Hispanic some other race from the Census were combined into one group.

Estimations of those undiagnosed are from Centers for Disease Control and Prevention's 2016 HIV Surveillance Supplemental Report published July 2016. The continuum of care is adapted from a 2011 article in Clinical Infectious Diseases in which a continuum of care "cascade" is used illustrate estimates of the number of persons living with HIV who belong to each of the stages of engagement in HIV care.

## Tabulation of Column Totals

Figures in tables and generally in the text have been rounded. Discrepancies in tables between totals and sums of components are due to rounding.

## Data Suppression

In order to protect the confidentiality of reported HIV cases, data are suppressed in the following instances:

- Data describing a demographic group or geographic area (e.g. ZIP code) with a population less than 1,000 people.
- All clinical/laboratory information if it is describing less than 5 cases.
- All exposure/risk information if it is describing less than 5 cases, except in the case of "other" exposure.
- If any cell is suppressed, additional cells are also suppressed as necessary to prevent back calculation of the suppressed cell(s).

## HIV Exposure Categories

The Centers for Disease Control and Prevention (CDC) developed a hierarchy of exposure categories for surveillance purposes. Persons with more than one reported risk factor are classified in the exposure category listed first in the hierarchy and therefore counted only once. Men who have sex with men and report injection drug use constitutes a separate transmission category.

**MSM (Men who have Sex with Men):** Men who report a history of sexual contact with other men (homosexual contact) including men who report sexual contact with both men and women (bisexual contact).

**Injection Drug Use (IDU):** Men or women who report receiving an injection, either self-administered or given by another person, of a drug that was not prescribed by a physician.

**MSM/IDU:** Men who report a history of sexual contact with other men who also have engaged in injection drug use.

**Heterosexual Exposure (HET):** Men or women who report a history of sexual contact with a person of the opposite sex who is known to have an HIV infection or at high risk for an HIV infection. High risk groups include bisexual men, IDUs and recipients of blood, blood components, transplants of organ or tissue and artificial insemination.

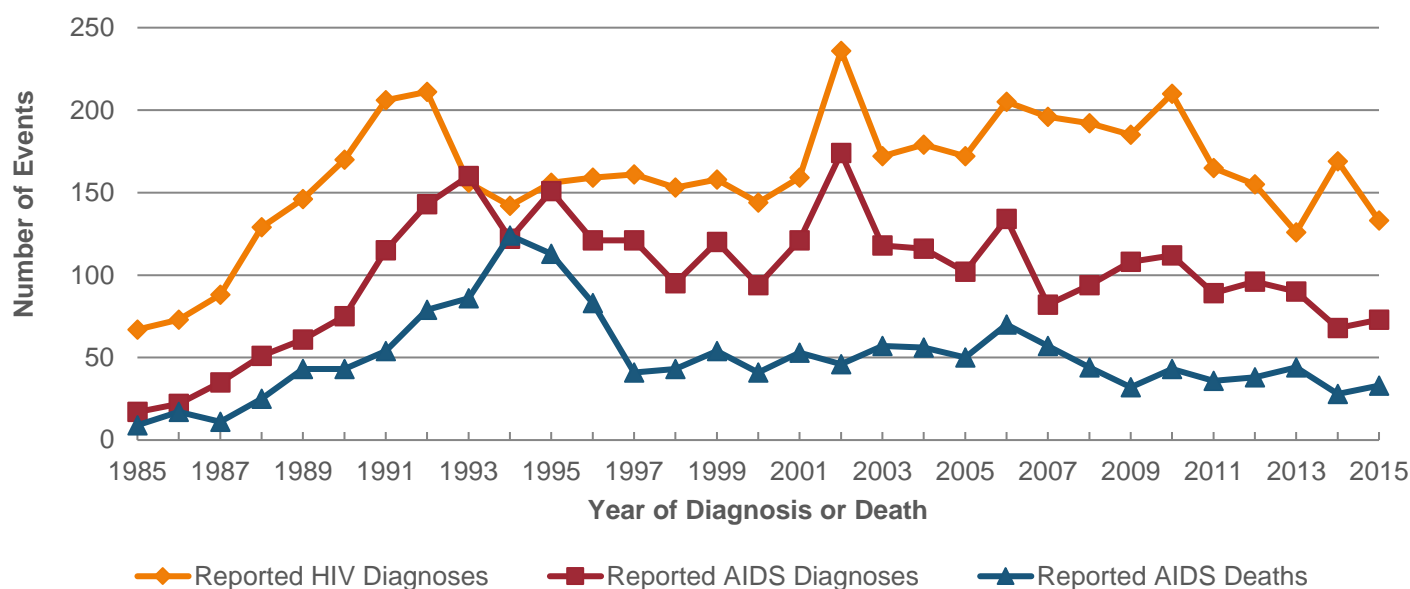
**Perinatal Exposure:** Any baby born to an HIV positive mother.



## Section II – Trends 1985-2015

**Figure 1 – Trends in Reported HIV and AIDS Diagnoses and Deaths, 1985-2015, Reported through 6/30/2016**

Reported HIV Cases with or without an AIDS Diagnosis (Reported HIV Diagnoses) by Year of HIV Diagnosis, Reported HIV Cases with an AIDS Diagnosis (Reported AIDS Diagnoses) by Year of AIDS Diagnosis, and Reported HIV Cases with an AIDS Diagnosis Reported to have Died of Any Cause (Reported AIDS Deaths) by Year of Death, from 1985 through 2015 as Reported through 6/30/2016



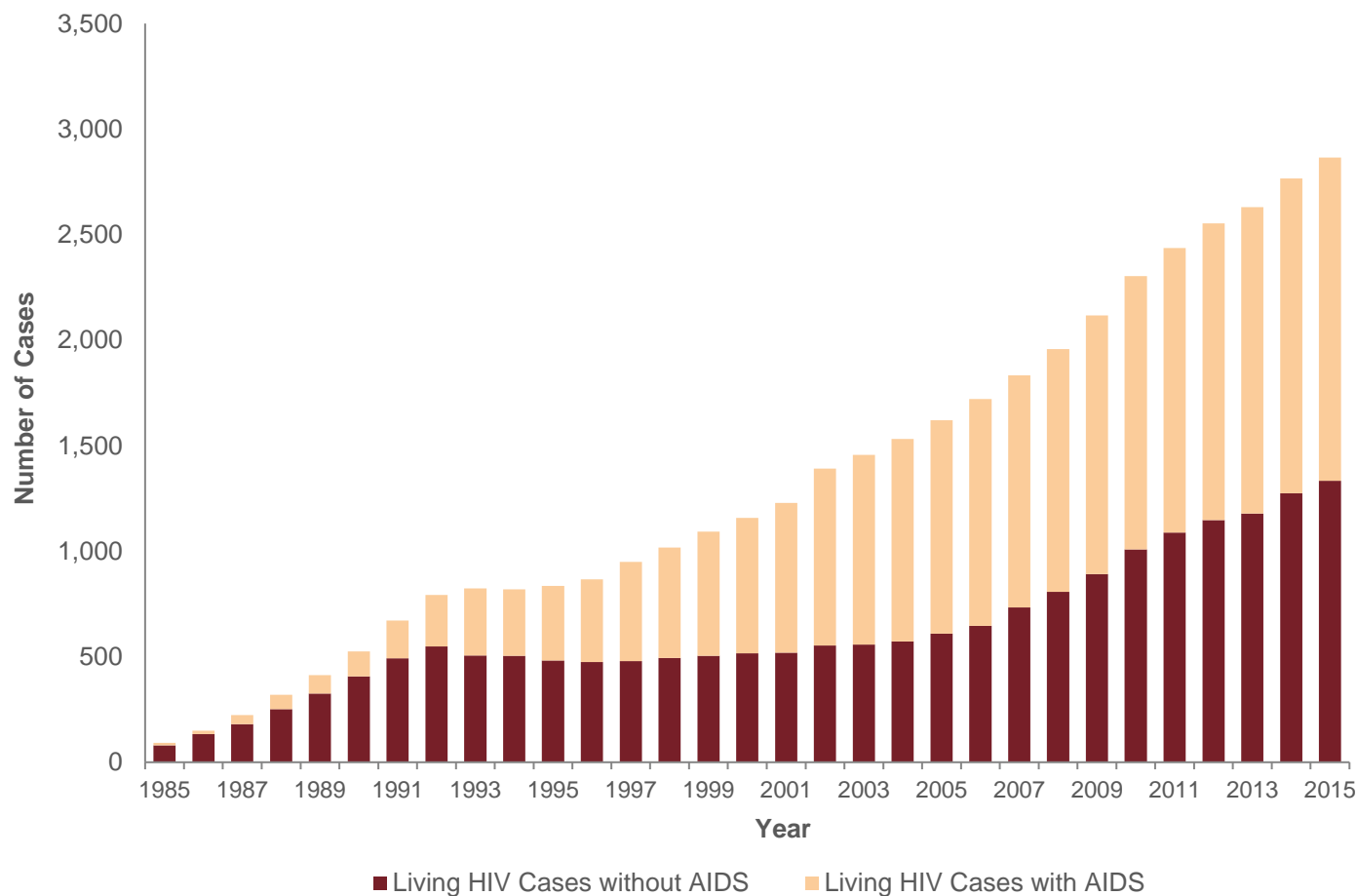
During the 2007-2008 transition to name-based reporting, many HIV cases were reported by a recent HIV diagnosis and not by their earliest HIV diagnosis, resulting in an artificial upward trend in HIV diagnoses during the period 2001-2008.

YEAR OF DIAGNOSIS OR DEATH	REPORTED HIV DIAGNOSES	REPORTED AIDS DIAGNOSES	REPORTED AIDS DEATHS	YEAR OF DIAGNOSIS OR DEATH	REPORTED HIV DIAGNOSES	REPORTED AIDS DIAGNOSES	REPORTED AIDS DEATHS
<1985	42	8	4	2000	144	94	41
1985	67	17	9	2001	159	121	53
1986	73	22	17	2002	236	174	46
1987	88	35	11	2003	172	118	57
1988	129	51	25	2004	179	116	56
1989	146	61	43	2005	172	102	50
1990	170	75	43	2006	205	134	70
1991	206	115	54	2007	196	82	57
1992	211	143	79	2008	192	94	44
1993	156	160	86	2009	185	108	32
1994	142	122	124	2010	210	112	43
1995	156	151	113	2011	165	89	36
1996	159	121	83	2012	155	96	38
1997	161	121	41	2013	126	90	44
1998	153	95	43	2014	169	68	28
1999	158	120	54	2015	133	73	33
				TOTAL	5,015	3,088	1,557

\*2014-2015 reported AIDS deaths are preliminary.

## Figure 2 – Trends in Living HIV Cases, 1985-2015, Reported through 6/30/2016

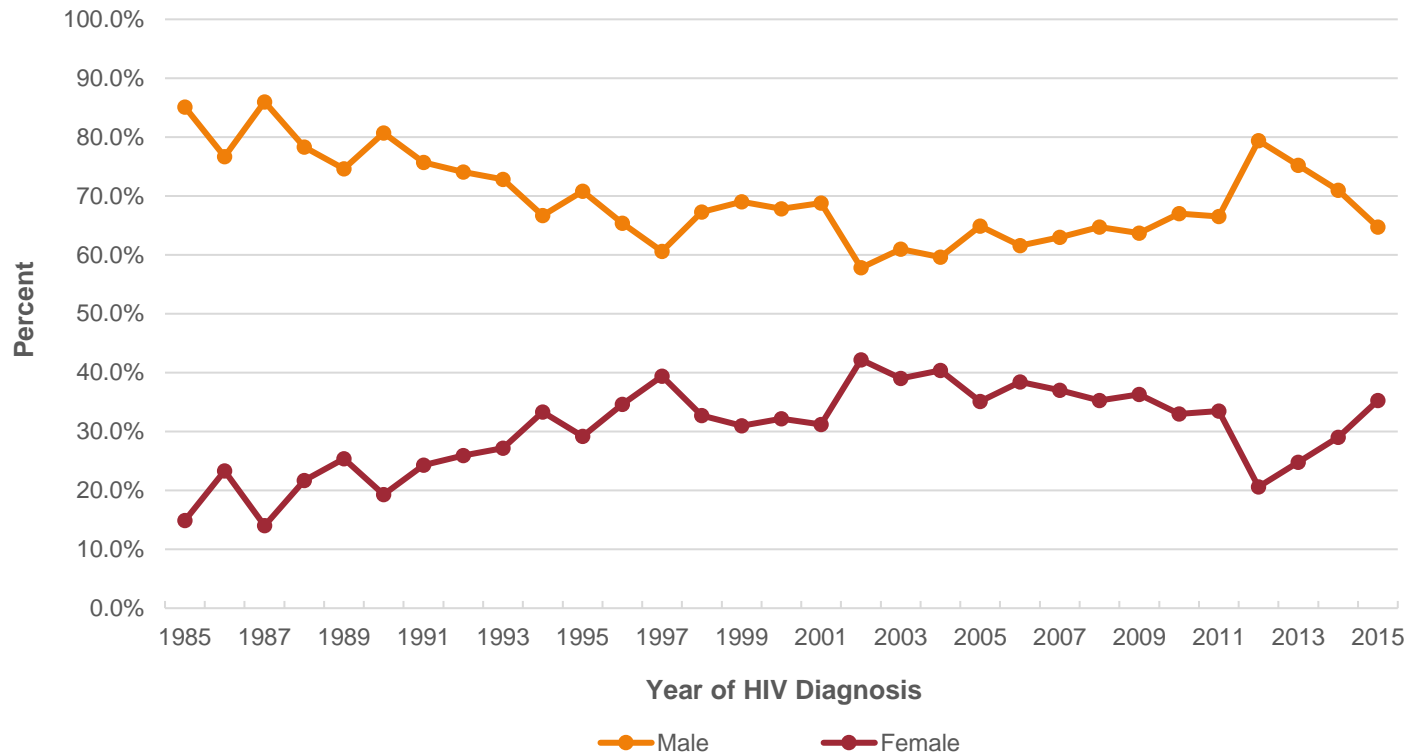
Reported HIV Cases with or without an AIDS Diagnosis and Not Reported to have Died as of December 31<sup>st</sup> of Each Year (Living HIV Cases without AIDS, Living HIV Cases with AIDS, and Total Living HIV Cases) from 1985 through 2015, as Reported through 6/30/2016



YEAR	LIVING HIV CASES WITHOUT AIDS	LIVING HIV CASES WITH AIDS	TOTAL LIVING HIV CASES	YEAR	LIVING HIV CASES WITHOUT AIDS	LIVING HIV CASES WITH AIDS	TOTAL LIVING HIV CASES
1985	80	12	92	2000	516	642	1,158
1986	133	17	150	2001	519	710	1,229
1987	181	42	223	2002	553	838	1,391
1988	252	68	320	2003	557	899	1,456
1989	326	86	412	2004	573	959	1,532
1990	407	118	525	2005	609	1,011	1,620
1991	493	179	672	2006	646	1,075	1,721
1992	549	243	792	2007	734	1,100	1,834
1993	506	317	823	2008	807	1,150	1,957
1994	504	315	819	2009	891	1,226	2,117
1995	482	353	835	2010	1,009	1,295	2,304
1996	475	391	866	2011	1,089	1,348	2,437
1997	479	471	950	2012	1,147	1,406	2,553
1998	494	523	1,017	2013	1,178	1,452	2,630
1999	504	589	1,093	2014	1,274	1,492	2,766
				2015	1,333	1,532	2,865

### Figure 3 – Trends in Adult/Adolescent Reported HIV Diagnoses by Sex at Birth, 1985-2015, Reported through 6/30/2016

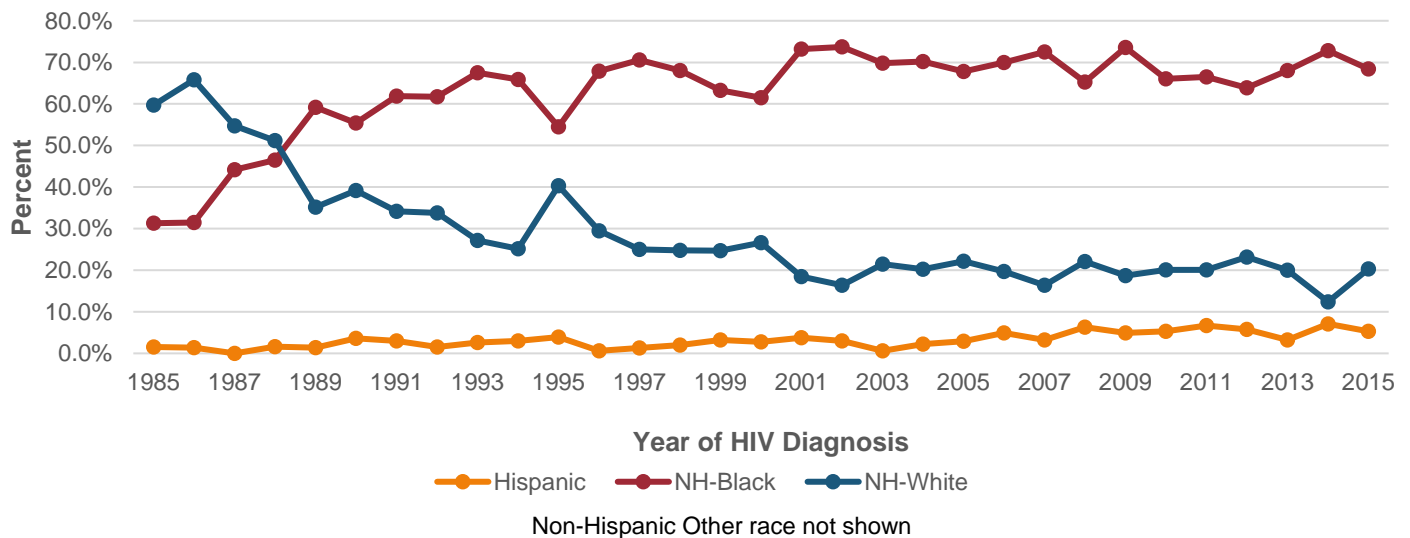
Percent by Sex at Birth of Adult/Adolescent Reported HIV Cases, Age 13+ at HIV Diagnosis, with or without an AIDS Diagnosis (Adult/Adolescent Reported HIV Diagnoses) by Year of HIV Diagnosis from 1985 through 2015, as Reported through 6/30/2016



YEAR OF HIV DIAGNOSIS	ADULT/ADOLESCENT REPORTED HIV DIAGNOSES			YEAR OF HIV DIAGNOSIS	ADULT/ADOLESCENT REPORTED HIV DIAGNOSES		
	No.	% Male	% Female		No.	% Male	% Female
<1985	41	85.4%	14.6%	2000	143	67.8%	32.2%
1985	67	85.1%	14.9%	2001	157	68.8%	31.2%
1986	73	76.7%	23.3%	2002	232	57.8%	42.2%
1987	86	86.0%	14.0%	2003	172	61.0%	39.0%
1988	129	78.3%	21.7%	2004	178	59.6%	40.4%
1989	142	74.6%	25.4%	2005	171	64.9%	35.1%
1990	166	80.7%	19.3%	2006	203	61.6%	38.4%
1991	202	75.7%	24.3%	2007	189	63.0%	37.0%
1992	201	74.1%	25.9%	2008	190	64.7%	35.3%
1993	151	72.8%	27.2%	2009	182	63.7%	36.3%
1994	135	66.7%	33.3%	2010	209	67.0%	33.0%
1995	154	70.8%	29.2%	2011	164	66.5%	33.5%
1996	156	65.4%	34.6%	2012	155	79.4%	20.6%
1997	160	60.6%	39.4%	2013	125	75.2%	24.8%
1998	153	67.3%	32.7%	2014	169	71.0%	29.0%
1999	158	69.0%	31.0%	2015	133	64.7%	35.3%
				TOTAL	4,946	68.8%	31.2%

**Figure 4 – Trends in Adult/Adolescent Reported HIV Diagnoses by Race/Ethnicity, 1985-2015, Reported through 6/30/2016**

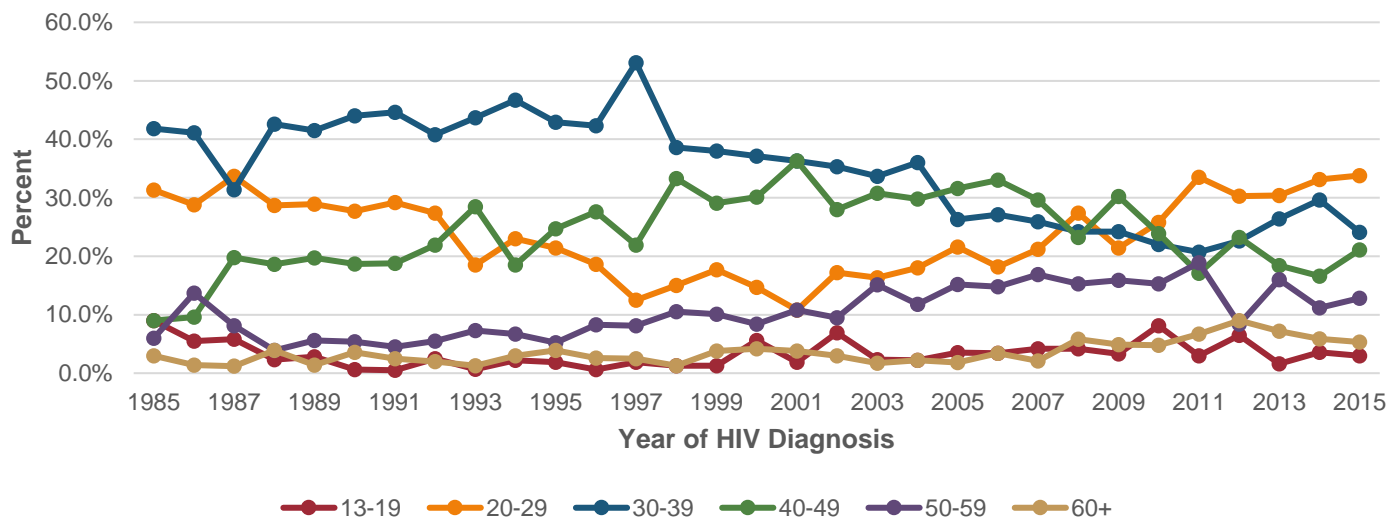
Percent by Race/Ethnicity of Adult/Adolescent Reported HIV Cases, Age 13+ at HIV Diagnosis, with or without an AIDS Diagnosis (Adult/Adolescent Reported HIV Diagnoses) by Year of HIV Diagnosis from 1985 through 2015, as Reported through 6/30/2016



YEAR OF HIV DIAGNOSIS	ADULT/ADOLESCENT REPORTED HIV DIAGNOSES				
	No.	% Hispanic	% Non-Hispanic Black, only	% Non-Hispanic White, only	% Non-Hispanic Other Race
<1985	41	4.9%	46.3%	41.5%	7.3%
1985	67	1.5%	31.3%	59.7%	7.5%
1986	73	1.4%	31.5%	65.8%	1.4%
1987	86	0.0%	44.2%	54.7%	1.2%
1988	129	1.6%	46.5%	51.2%	0.8%
1989	142	1.4%	59.2%	35.2%	4.2%
1990	166	3.6%	55.4%	39.2%	1.8%
1991	202	3.0%	61.9%	34.2%	1.0%
1992	201	1.5%	61.7%	33.8%	3.0%
1993	151	2.6%	67.5%	27.2%	2.6%
1994	135	3.0%	65.9%	25.2%	5.9%
1995	154	3.9%	54.5%	40.3%	1.3%
1996	156	0.6%	67.9%	29.5%	1.9%
1997	160	1.3%	70.6%	25.0%	3.1%
1998	153	2.0%	68.0%	24.8%	5.2%
1999	158	3.2%	63.3%	24.7%	8.9%
2000	143	2.8%	61.5%	26.6%	9.1%
2001	157	3.8%	73.2%	18.5%	4.5%
2002	232	3.0%	73.7%	16.4%	6.9%
2003	172	0.6%	69.8%	21.5%	8.1%
2004	178	2.2%	70.2%	20.2%	7.3%
2005	171	2.9%	67.8%	22.2%	7.0%
2006	203	4.9%	70.0%	19.7%	5.4%
2007	189	3.2%	72.5%	16.4%	7.9%
2008	190	6.3%	65.3%	22.1%	6.3%
2009	182	4.9%	73.6%	18.7%	2.7%
2010	209	5.3%	66.0%	20.1%	8.6%
2011	164	6.7%	66.5%	20.1%	6.7%
2012	155	5.8%	63.9%	23.2%	7.1%
2013	125	3.2%	68.0%	20.0%	8.8%
2014	169	7.1%	72.8%	12.4%	7.7%
2015	133	5.3%	68.4%	20.3%	6.0%
TOTAL	4,946	3.4%	64.7%	26.6%	5.3%

## Figure 5 – Trends in Adult/Adolescent Reported HIV Diagnoses by Age at Diagnosis, 1985-2015, Reported through 6/30/2016

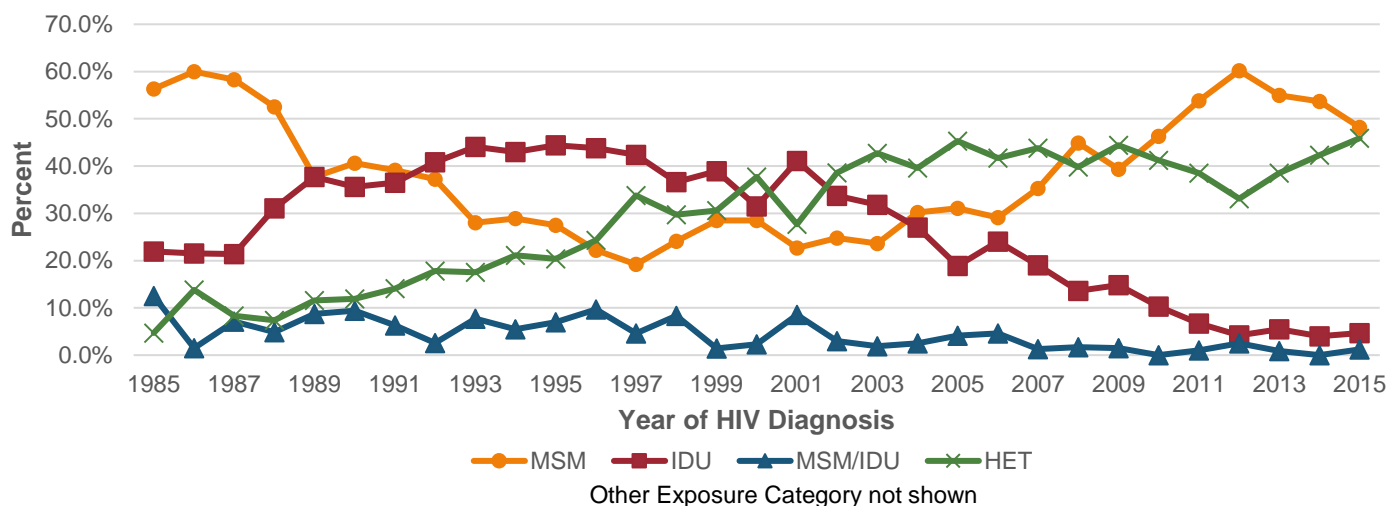
Percent by Age at HIV Diagnosis of Adult/Adolescent Reported HIV Cases, Age 13+ at HIV Diagnosis, with or without an AIDS Diagnosis (Adult/Adolescent Reported HIV Diagnoses) by Year of HIV Diagnosis from 1985 through 2015, as Reported through 6/30/2016



YEAR OF HIV DIAGNOSIS	REPORTED ADULT/ADOLESCENT HIV DIAGNOSES						
	No.	% Age 13-19	% Age 20-29	% Age 30-39	% Age 40-49	% Age 50-59	% Age 60+
<1985	41	12.2%	46.3%	19.5%	17.1%	4.9%	0.0%
1985	67	9.0%	31.3%	41.8%	9.0%	6.0%	3.0%
1986	73	5.5%	28.8%	41.1%	9.6%	13.7%	1.4%
1987	86	5.8%	33.7%	31.4%	19.8%	8.1%	1.2%
1988	129	2.3%	28.7%	42.6%	18.6%	3.9%	3.9%
1989	142	2.8%	28.9%	41.5%	19.7%	5.6%	1.4%
1990	166	0.6%	27.7%	44.0%	18.7%	5.4%	3.6%
1991	202	0.5%	29.2%	44.6%	18.8%	4.5%	2.5%
1992	201	2.5%	27.4%	40.8%	21.9%	5.5%	2.0%
1993	151	0.7%	18.5%	43.7%	28.5%	7.3%	1.3%
1994	135	2.2%	23.0%	46.7%	18.5%	6.7%	3.0%
1995	154	1.9%	21.4%	42.9%	24.7%	5.2%	3.9%
1996	156	0.6%	18.6%	42.3%	27.6%	8.3%	2.6%
1997	160	1.9%	12.5%	53.1%	21.9%	8.1%	2.5%
1998	153	1.3%	15.0%	38.6%	33.3%	10.5%	1.3%
1999	158	1.3%	17.7%	38.0%	29.1%	10.1%	3.8%
2000	143	5.6%	14.7%	37.1%	30.1%	8.4%	4.2%
2001	157	1.9%	10.8%	36.3%	36.3%	10.8%	3.8%
2002	232	6.9%	17.2%	35.3%	28.0%	9.5%	3.0%
2003	172	2.3%	16.3%	33.7%	30.8%	15.1%	1.7%
2004	178	2.2%	18.0%	36.0%	29.8%	11.8%	2.2%
2005	171	3.5%	21.6%	26.3%	31.6%	15.2%	1.8%
2006	203	3.4%	18.2%	27.1%	33.0%	14.8%	3.4%
2007	189	4.2%	21.2%	25.9%	29.6%	16.9%	2.1%
2008	190	4.2%	27.4%	24.2%	23.2%	15.3%	5.8%
2009	182	3.3%	21.4%	24.2%	30.2%	15.9%	4.9%
2010	209	8.1%	25.8%	22.0%	23.9%	15.3%	4.8%
2011	164	3.0%	33.5%	20.7%	17.1%	18.9%	6.7%
2012	155	6.5%	30.3%	22.6%	23.2%	8.4%	9.0%
2013	125	1.6%	30.4%	26.4%	18.4%	16.0%	7.2%
2014	169	3.6%	33.1%	29.6%	16.6%	11.2%	5.9%
2015	133	3.0%	33.8%	24.1%	21.1%	12.8%	5.3%
TOTAL	4,946	3.3%	23.4%	34.4%	24.7%	10.7%	3.5%

## Figure 6 – Trends in Adult/Adolescent Reported HIV Diagnoses by Exposure Category, 1985-2015, Reported through 6/30/2016

Percent by Exposure Category of Adult/Adolescent Reported HIV Cases, Age 13+ at HIV Diagnosis, with or without an AIDS Diagnosis (Adult/Adolescent Reported HIV Diagnoses) and with Reported Exposure Category by Year of HIV Diagnosis from 1985 through 2015, as Reported through 6/30/2016



YEAR OF HIV DIAGNOSIS	ADULT/ADOLESCENT REPORTED HIV DIAGNOSES						
	No.	With Exposure Category					% Other Exposure
		No.	% MSM	% IDU	% MSM/IDU	% HET	
<1985	41	41	48.8%	26.8%	12.2%	4.9%	7.3%
1985	67	64	56.3%	21.9%	12.5%	4.7%	4.7%
1986	73	65	60.0%	21.5%	1.5%	13.8%	3.1%
1987	86	84	58.3%	21.4%	7.1%	8.3%	4.8%
1988	129	122	52.5%	31.1%	4.9%	7.4%	4.1%
1989	142	138	37.7%	37.7%	8.7%	11.6%	4.3%
1990	166	160	40.6%	35.6%	9.4%	11.9%	2.5%
1991	202	192	39.1%	36.5%	6.3%	14.1%	4.2%
1992	201	191	37.2%	40.8%	2.6%	17.8%	1.6%
1993	151	143	28.0%	44.1%	7.7%	17.5%	2.8%
1994	135	128	28.9%	43.0%	5.5%	21.1%	1.6%
1995	154	142	27.5%	44.4%	7.0%	20.4%	0.7%
1996	156	144	22.2%	43.8%	9.7%	24.3%	0.0%
1997	160	151	19.2%	42.4%	4.6%	33.8%	0.0%
1998	153	145	24.1%	36.6%	8.3%	29.7%	1.4%
1999	158	144	28.5%	38.9%	1.4%	30.6%	0.7%
2000	143	130	28.5%	31.5%	2.3%	37.7%	0.0%
2001	157	141	22.7%	41.1%	8.5%	27.7%	0.0%
2002	232	202	24.8%	33.7%	3.0%	38.6%	0.0%
2003	172	157	23.6%	31.8%	1.9%	42.7%	0.0%
2004	178	159	30.2%	27.0%	2.5%	39.6%	0.6%
2005	171	148	31.1%	18.9%	4.1%	45.3%	0.7%
2006	203	175	29.1%	24.0%	4.6%	41.7%	0.6%
2007	189	153	35.3%	19.0%	1.3%	43.8%	0.7%
2008	190	118	44.9%	13.6%	1.7%	39.8%	0.0%
2009	182	135	39.3%	14.8%	1.5%	44.4%	0.0%
2010	209	136	46.3%	10.3%	0.0%	41.2%	2.2%
2011	164	104	53.8%	6.7%	1.0%	38.5%	0.0%
2012	155	118	60.2%	4.2%	2.5%	33.1%	0.0%
2013	125	109	55.0%	5.5%	0.9%	38.5%	0.0%
2014	169	149	53.7%	4.0%	0.0%	42.3%	0.0%
2015	133	85	48.2%	4.7%	1.2%	45.9%	0.0%
<b>TOTAL</b>	<b>4,946</b>	<b>4,273</b>	<b>36.4%</b>	<b>28.2%</b>	<b>4.4%</b>	<b>29.7%</b>	<b>1.3%</b>

\*2015 reported HIV exposure data are preliminary.

## Section III – Adult/Adolescent Cases by Jurisdiction

**Table 1 – Adult/Adolescent HIV Diagnoses during 2015, First CD4 Test Result, Percent Linked to Care, and Percent Late Diagnosis, by Jurisdiction, Reported through 6/30/2016**

JURISDICTION OF RESIDENCE AT HIV DIAGNOSIS	POPULATION AGE 13+	ADULT/ADOLESCENT REPORTED HIV DIAGNOSES									
		No.	% of Total	Rate	No. Linked to Care	% Linked to Care	No. Late HIV Diagnosis	% Late HIV Diagnosis	First CD4 Test Result		
									No. with Test	% with Test	Median Count
21013	2,826	0	0.0%	0.0	--	--	--	--	--	--	--
21030	21,412	2	1.5%	9.3	***	***	***	***	***	***	***
21031	3	***	***	***	***	***	***	***	***	***	***
21043	794	***	***	***	***	***	***	***	***	***	***
21051	251	***	***	***	***	***	***	***	***	***	***
21052	280	***	***	***	***	***	***	***	***	***	***
21053	2,854	0	0.0%	0.0	--	--	--	--	--	--	--
21057	3,718	0	0.0%	0.0	--	--	--	--	--	--	--
21071	450	***	***	***	***	***	***	***	***	***	***
21074	1,227	0	0.0%	0.0	--	--	--	--	--	--	--
21082	551	***	***	***	***	***	***	***	***	***	***
21085	23	***	***	***	***	***	***	***	***	***	***
21087	4,208	0	0.0%	0.0	--	--	--	--	--	--	--
21093	32,408	1	0.8%	3.1	***	***	***	***	***	***	***
21102	868	***	***	***	***	***	***	***	***	***	***
21104	140	***	***	***	***	***	***	***	***	***	***
21105	60	***	***	***	***	***	***	***	***	***	***
21111	3,388	0	0.0%	0.0	--	--	--	--	--	--	--
21117	46,266	17	12.8%	36.7	14	82.4%	6	35.3%	15	88.2%	320
21120	6,041	1	0.8%	16.6	***	***	***	***	***	***	***
21128	10,850	0	0.0%	0.0	--	--	--	--	--	--	--
21131	6,215	0	0.0%	0.0	--	--	--	--	--	--	--
21133	25,720	9	6.8%	35.0	7	77.8%	***	***	5	55.6%	513
21136	27,977	6	4.5%	21.4	6	100.0%	***	***	6	100.0%	668
21152	4,780	0	0.0%	0.0	--	--	--	--	--	--	--
21153	270	***	***	***	***	***	***	***	***	***	***
21155	1,844	0	0.0%	0.0	--	--	--	--	--	--	--
21156	329	***	***	***	***	***	***	***	***	***	***
21161	2,381	0	0.0%	0.0	--	--	--	--	--	--	--
21162	3,149	0	0.0%	0.0	--	--	--	--	--	--	--
21163	2,366	3	2.3%	126.8	***	***	***	***	***	***	***
21204	18,843	2	1.5%	10.6	***	***	***	***	***	***	***
21206	8,968	0	0.0%	0.0	--	--	--	--	--	--	--
21207	29,346	10	7.5%	34.1	9	90.0%	***	***	9	90.0%	319
21208	28,633	4	3.0%	14.0	***	***	***	***	***	***	***
21209	11,998	1	0.8%	8.3	***	***	***	***	***	***	***
21210	870	***	***	***	***	***	***	***	***	***	***
21212	8,915	0	0.0%	0.0	--	--	--	--	--	--	--
21215	1,511	0	0.0%	0.0	--	--	--	--	--	--	--
21219	8,329	0	0.0%	0.0	--	--	--	--	--	--	--
21220	33,588	4	3.0%	11.9	***	***	***	***	***	***	***



21221	36,211	8	6.0%	22.1	6	75.0%	0	0.0%	5	62.5%	702
21222	46,612	9	6.8%	19.3	8	88.9%	***	***	9	100.0%	569
21224	7,440	2	1.5%	26.9	***	***	***	***	***	***	***
21227	27,882	5	3.8%	17.9	5	100.0%	0	0.0%	5	100.0%	477
21228	41,872	4	3.0%	9.6	***	***	***	***	***	***	***
21229	6,079	2	1.5%	32.9	***	***	***	***	***	***	***
21234	54,396	14	10.5%	25.7	13	92.9%	***	***	12	85.7%	362
21236	33,418	3	2.3%	9.0	***	***	***	***	***	***	***
21237	25,952	9	6.8%	34.7	9	100.0%	***	***	7	77.8%	244
21239	4,435	1	0.8%	22.5	***	***	***	***	***	***	***
21244	29,016	14	10.5%	48.2	11	78.6%	***	***	10	71.4%	346
21250	3,306	0	0.0%	0.0	--	--	--	--	--	--	--
21252	2,963	0	0.0%	0.0	--	--	--	--	--	--	--
21286	17,506	1	0.8%	5.7	***	***	***	***	***	***	***
<b>TOTAL</b>	<b>701,736</b>	<b>133</b>	<b>100.0%</b>	<b>19.0</b>	<b>113</b>	<b>85.0%</b>	<b>33</b>	<b>24.8%</b>	<b>109</b>	<b>82.0%</b>	<b>384</b>

\*\*\* Data withheld due to low population and/or case counts

**Adult/Adolescent Reported HIV Diagnoses:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an initial HIV diagnosis during the specified year.

**Jurisdiction of Residence at HIV Diagnosis:** Jurisdiction of residence at time of initial HIV diagnosis.

**Population Age 13+:** Population age 13 years or older, estimate for 7/1/2015.

**Rate:** A proportion used to represent risk for disease within a given population. It is calculated by dividing the number of diagnoses by the number of persons at risk (population estimate).

**Median Count (First CD4):** Median CD4 count (cells per microliter) of the first CD4 test result reported within 12 months following initial HIV diagnosis.

**Number Linked to Care:** Number of adult/adolescent reported HIV diagnoses with a CD4 or viral load test performed less than or equal to 3 months after their initial HIV diagnosis calculated from Percent Linked to Care.

**Percent Linked to Care:** Percent of adult/adolescent reported HIV diagnoses with a CD4 or viral load test performed less than or equal to 3 months after their initial HIV diagnosis.

**Number of Late HIV diagnosis (for HIV diagnoses):** Number of adult/adolescent reported HIV diagnoses with an initial AIDS diagnosis less than or equal to 12 months after their initial HIV diagnosis calculated from Percent Late HIV Diagnosis.

**Percent Late HIV Diagnosis (for HIV diagnoses):** Number and percent of adult/adolescent reported HIV diagnoses with an initial AIDS diagnosis less than or equal to 12 months after their initial HIV diagnosis.

**Table 2 – Adult/Adolescent AIDS Diagnoses during 2015, Mean Years from HIV Diagnosis and Percent Late HIV Diagnosis, by Jurisdiction, Reported through 6/30/2016**

JURISDICTION OF RESIDENCE AT AIDS DIAGNOSIS	POPULATION AGE 13+	ADULT/ADOLESCENT REPORTED AIDS DIAGNOSES				
		No.	% of Total	Rate	Mean Years from HIV Diagnosis	% Late HIV Diagnosis
21013	2,826	0	0.0%	0.0	--	--
21030	21,412	1	1.4%	4.7	***	***
21031	3	***	***	***	***	***
21043	794	***	***	***	***	***
21051	251	***	***	***	***	***
21052	280	***	***	***	***	***
21053	2,854	0	0.0%	0.0	--	--
21057	3,718	0	0.0%	0.0	--	--
21071	450	***	***	***	***	***
21074	1,227	0	0.0%	0.0	--	--
21082	551	***	***	***	***	***
21085	23	***	***	***	***	***
21087	4,208	0	0.0%	0.0	--	--
21093	32,408	0	0.0%	0.0	--	--
21102	868	***	***	***	***	***
21104	140	***	***	***	***	***
21105	60	***	***	***	***	***
21111	3,388	0	0.0%	0.0	--	--
21117	46,266	9	12.3%	19.5	3.2	55.6%
21120	6,041	1	1.4%	16.6	***	***
21128	10,850	0	0.0%	0.0	--	--
21131	6,215	0	0.0%	0.0	--	--
21133	25,720	3	4.1%	11.7	***	***
21136	27,977	3	4.1%	10.7	***	***
21152	4,780	0	0.0%	0.0	--	--
21153	270	***	***	***	***	***
21155	1,844	0	0.0%	0.0	--	--
21156	329	***	***	***	***	***
21161	2,381	0	0.0%	0.0	--	--
21162	3,149	0	0.0%	0.0	--	--
21163	2,366	1	1.4%	42.3	***	***
21204	18,843	1	1.4%	5.3	***	***
21206	8,968	3	4.1%	33.5	***	***
21207	29,346	6	8.2%	20.4	3.5	50.0%
21208	28,633	4	5.5%	14.0	***	***
21209	11,998	1	1.4%	8.3	***	***
21210	870	***	***	***	***	***
21212	8,915	0	0.0%	0.0	--	--
21215	1,511	0	0.0%	0.0	--	--
21219	8,329	0	0.0%	0.0	--	--
21220	33,588	2	2.7%	6.0	***	***
21221	36,211	4	5.5%	11.0	***	***
21222	46,612	5	6.8%	10.7	4.6	40.0%
21224	7,440	2	2.7%	26.9	***	***

21227	27,882	3	4.1%	10.8	***	***
21228	41,872	2	2.7%	4.8	***	***
21229	6,079	6	8.2%	98.7	12.2	16.7%
21234	54,396	4	5.5%	7.4	***	***
21236	33,418	1	1.4%	3.0	***	***
21237	25,952	3	4.1%	11.6	***	***
21239	4,435	0	0.0%	0.0	--	--
21244	29,016	8	11.0%	27.6	2.5	62.5%
21250	3,306	0	0.0%	0.0	--	--
21252	2,963	0	0.0%	0.0	--	--
21286	17,506	0	0.0%	0.0	--	--
<b>TOTAL</b>	<b>701,736</b>	<b>73</b>	<b>100.0%</b>	<b>10.4</b>	<b>4.9</b>	<b>47.9%</b>

\*\*\* Data withheld due to low population and/or case counts

**Adult/Adolescent Reported AIDS Diagnoses:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an initial AIDS diagnosis during the specified year.

**Jurisdiction of Residence at AIDS Diagnosis:** Jurisdiction of residence at time of initial AIDS diagnosis.

**Population Age 13+:** Population age 13 years or older, estimate for 7/1/2015.

**Rate:** A proportion used to represent risk for disease within a given population. It is calculated by dividing the number of diagnoses by the number of persons at risk (population estimate).

**Mean Years from HIV Diagnosis (to AIDS Diagnosis):** Mean number of years from initial HIV diagnosis to initial AIDS diagnosis for cases with a reported AIDS diagnosis.

**Percent Late HIV Diagnosis (for AIDS diagnoses):** Percent of adult/adolescent reported AIDS diagnoses with an initial HIV diagnosis less than or equal to 12 months prior to their initial AIDS diagnosis.

**Table 3 – Adult/Adolescent HIV Cases Alive on 12/31/2015, by Jurisdiction, Reported through 6/30/2016**

JURISDICTION OF RESIDENCE AT DIAGNOSIS	POPULATION AGE 13+	ADULT/ADOLESCENT LIVING HIV CASES WITHOUT AIDS			ADULT/ADOLESCENT LIVING HIV CASES WITH AIDS			ADULT/ADOLESCENT TOTAL LIVING HIV CASES			
		No.	% of Total	Rate	No.	% of Total	Rate	No.	% of Total	Rate	Ratio (1 in X)
21013	2,826	1	0.1%	35.4	1	0.1%	35.4	2	0.1%	70.8	1,413
21030	21,412	22	1.7%	102.7	40	2.6%	186.8	62	2.2%	289.6	345
21031	3	***	***	***	***	***	***	***	***	***	***
21043	794	***	***	***	***	***	***	***	***	***	***
21051	251	***	***	***	***	***	***	***	***	***	***
21052	280	***	***	***	***	***	***	***	***	***	***
21053	2,854	1	0.1%	35.0	3	0.2%	105.1	4	0.1%	140.1	713
21057	3,718	1	0.1%	26.9	0	0.0%	0.0	1	0.0%	26.9	3,717
21071	450	***	***	***	***	***	***	***	***	***	***
21074	1,227	0	0.0%	0.0	0	0.0%	0.0	0	0.0%	0.0	--
21082	551	***	***	***	***	***	***	***	***	***	***
21085	23	***	***	***	***	***	***	***	***	***	***
21087	4,208	3	0.2%	71.3	1	0.1%	23.8	4	0.1%	95.1	1,051
21093	32,408	17	1.3%	52.5	22	1.5%	67.9	39	1.4%	120.3	830
21102	868	***	***	***	***	***	***	***	***	***	***
21104	140	***	***	***	***	***	***	***	***	***	***
21105	60	***	***	***	***	***	***	***	***	***	***
21111	3,388	2	0.2%	59.0	2	0.1%	59.0	4	0.1%	118.1	846
21117	46,266	98	7.5%	211.8	97	6.4%	209.7	195	6.9%	421.5	237
21120	6,041	2	0.2%	33.1	4	0.3%	66.2	6	0.2%	99.3	1,006
21128	10,850	5	0.4%	46.1	8	0.5%	73.7	13	0.5%	119.8	834
21131	6,215	3	0.2%	48.3	1	0.1%	16.1	4	0.1%	64.4	1,553
21133	25,720	111	8.5%	431.6	121	8.0%	470.5	232	8.2%	902.0	110
21136	27,977	53	4.1%	189.4	38	2.5%	135.8	91	3.2%	325.3	307
21152	4,780	2	0.2%	41.8	5	0.3%	104.6	7	0.2%	146.4	682
21153	270	***	***	***	***	***	***	***	***	***	***
21155	1,844	1	0.1%	54.2	0	0.0%	0.0	1	0.0%	54.2	1,844
21156	329	***	***	***	***	***	***	***	***	***	***
21161	2,381	0	0.0%	0.0	1	0.1%	42.0	1	0.0%	42.0	2,380
21162	3,149	2	0.2%	63.5	1	0.1%	31.8	3	0.1%	95.3	1,049
21163	2,366	8	0.6%	338.1	2	0.1%	84.5	10	0.4%	422.6	236
21204	18,843	24	1.8%	127.4	19	1.3%	100.8	43	1.5%	228.2	438
21206	8,968	14	1.1%	156.1	23	1.5%	256.5	37	1.3%	412.6	242
21207	29,346	109	8.4%	371.4	141	9.3%	480.5	250	8.9%	851.9	117
21208	28,633	60	4.6%	209.5	71	4.7%	248.0	131	4.7%	457.5	218
21209	11,998	15	1.2%	125.0	12	0.8%	100.0	27	1.0%	225.0	444
21210	870	***	***	***	***	***	***	***	***	***	***
21212	8,915	5	0.4%	56.1	7	0.5%	78.5	12	0.4%	134.6	742
21215	1,511	7	0.5%	463.2	9	0.6%	595.5	16	0.6%	1,058.7	94
21219	8,329	5	0.4%	60.0	15	1.0%	180.1	20	0.7%	240.1	416
21220	33,588	62	4.8%	184.6	54	3.6%	160.8	116	4.1%	345.4	289
21221	36,211	89	6.8%	245.8	109	7.2%	301.0	198	7.0%	546.8	182
21222	46,612	74	5.7%	158.8	108	7.1%	231.7	182	6.5%	390.5	256
21224	7,440	6	0.5%	80.6	15	1.0%	201.6	21	0.7%	282.3	354
21227	27,882	43	3.3%	154.2	74	4.9%	265.4	117	4.2%	419.6	238

21228	41,872	48	3.7%	114.6	78	5.2%	186.3	126	4.5%	300.9	332
21229	6,079	19	1.5%	312.6	19	1.3%	312.6	38	1.3%	625.1	159
21234	54,396	116	8.9%	213.3	108	7.1%	198.5	224	8.0%	411.8	242
21236	33,418	36	2.8%	107.7	35	2.3%	104.7	71	2.5%	212.5	470
21237	25,952	50	3.8%	192.7	62	4.1%	238.9	112	4.0%	431.6	231
21239	4,435	9	0.7%	202.9	10	0.7%	225.5	19	0.7%	428.4	233
21244	29,016	152	11.7%	523.9	162	10.7%	558.3	314	11.2%	1,082.2	92
21250	3,306	0	0.0%	0.0	0	0.0%	0.0	0	0.0%	0.0	--
21252	2,963	1	0.1%	33.8	0	0.0%	0.0	1	0.0%	33.8	2,962
21286	17,506	24	1.8%	137.1	24	1.6%	137.1	48	1.7%	274.2	364
Unknown	--	3	0.2%	--	4	0.3%	--	7	0.2%	--	--
<b>TOTAL</b>	701,736	1,304	100.0%	185.8	1,512	100.0%	215.5	2,816	100.0%	401.3	249

\*\*\* Data withheld due to low population and/or case counts

**Jurisdiction of Residence at Diagnosis:** Jurisdiction of residence at later of time of initial HIV diagnosis or time of initial AIDS diagnosis.

**Population Age 13+:** Population greater than or equal to 13 years old, estimate for 7/1/2015.

**Adult/Adolescent Living HIV Cases without AIDS:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, without an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Adult/Adolescent Living HIV Cases with AIDS:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Adult/Adolescent Total Living HIV Cases:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Rate:** A proportion used to represent risk for disease within a given population. It is calculated by dividing the number of diagnoses by the number of persons at risk (population estimate).

**Ratio (1 in X):** Number of people for every 1 living HIV case in the population, or 1 living HIV case in every X number of people.

**Table 3A – Adult/Adolescent HIV Cases Alive on 12/31/2015, by Jurisdiction and Current Residence, Reported through 6/30/2016**

JURISDICTION OF RESIDENCE	POPULATION AGE 13+	ADULT/ADOLESCENT LIVING HIV CASES WITH OR WITHOUT AIDS DIAGNOSIS								
		Residence at HIV Diagnosis				Current Residence				% Change
		No.	% of Total	Rate	Ratio	No.	% of Total	Rate	Ratio	
21013	2,826	2	0.1%	70.8	1,413	2	0.1%	70.8	1,413	0.0%
21030	21,412	62	2.2%	289.6	345	83	2.6%	387.6	257	33.9%
21031	3	***	***	***	***	***	***	***	***	***
21043	794	***	***	***	***	***	***	***	***	***
21051	251	***	***	***	***	***	***	***	***	***
21052	280	***	***	***	***	***	***	***	***	--
21053	2,854	4	0.1%	140.1	713	5	0.2%	175.2	570	25.0%
21057	3,718	1	0.0%	26.9	3,717	1	0.0%	26.9	3,717	0.0%
21071	450	***	***	***	***	***	***	***	***	***
21074	1,227	0	0.0%	0.0	--	0	0.0%	0.0	--	--
21082	551	***	***	***	***	***	***	***	***	***
21085	23	***	***	***	***	***	***	***	***	--
21087	4,208	4	0.1%	95.1	1,051	5	0.2%	118.8	841	25.0%
21093	32,408	39	1.4%	120.3	830	35	1.1%	108.0	925	-10.3%
21102	868	***	***	***	***	***	***	***	***	***
21104	140	***	***	***	***	***	***	***	***	***
21105	60	***	***	***	***	***	***	***	***	***
21111	3,388	4	0.1%	118.1	846	4	0.1%	118.1	846	0.0%
21117	46,266	195	6.9%	421.5	237	221	7.0%	477.7	209	13.3%
21120	6,041	6	0.2%	99.3	1,006	5	0.2%	82.8	1,208	-16.7%
21128	10,850	13	0.5%	119.8	834	12	0.4%	110.6	904	-7.7%
21131	6,215	4	0.1%	64.4	1,553	7	0.2%	112.6	887	75.0%
21133	25,720	232	8.2%	902.0	110	258	8.1%	1,003.1	99	11.2%
21136	27,977	91	3.2%	325.3	307	92	2.9%	328.8	304	1.1%
21152	4,780	7	0.2%	146.4	682	4	0.1%	83.7	1,195	-42.9%
21153	270	***	***	***	***	***	***	***	***	***
21155	1,844	1	0.0%	54.2	1,844	0	0.0%	0.0	--	-100.0%
21156	329	***	***	***	***	***	***	***	***	***
21161	2,381	1	0.0%	42.0	2,380	0	0.0%	0.0	--	-100.0%
21162	3,149	3	0.1%	95.3	1,049	6	0.2%	190.5	524	100.0%
21163	2,366	10	0.4%	422.6	236	14	0.4%	591.6	169	40.0%
21204	18,843	43	1.5%	228.2	438	44	1.4%	233.5	428	2.3%
21206	8,968	37	1.3%	412.6	242	67	2.1%	747.1	133	81.1%
21207	29,346	250	8.9%	851.9	117	336	10.6%	1,145.0	87	34.4%
21208	28,633	131	4.7%	457.5	218	137	4.3%	478.5	208	4.6%
21209	11,998	27	1.0%	225.0	444	47	1.5%	391.7	255	74.1%
21210	870	***	***	***	***	***	***	***	***	***
21212	8,915	12	0.4%	134.6	742	15	0.5%	168.3	594	25.0%
21215	1,511	16	0.6%	1,058.7	94	27	0.8%	1,786.6	55	68.8%
21219	8,329	20	0.7%	240.1	416	12	0.4%	144.1	694	-40.0%
21220	33,588	116	4.1%	345.4	289	147	4.6%	437.7	228	26.7%
21221	36,211	198	7.0%	546.8	182	175	5.5%	483.3	206	-11.6%
21222	46,612	182	6.5%	390.5	256	211	6.6%	452.7	220	15.9%
21224	7,440	21	0.7%	282.3	354	26	0.8%	349.5	286	23.8%
21227	27,882	117	4.2%	419.6	238	101	3.2%	362.2	276	-13.7%
21228	41,872	126	4.5%	300.9	332	148	4.7%	353.5	282	17.5%
21229	6,079	38	1.3%	625.1	159	56	1.8%	921.2	108	47.4%
21234	54,396	224	8.0%	411.8	242	256	8.1%	470.6	212	14.3%

21236	33,418	71	2.5%	212.5	470	71	2.2%	212.5	470	0.0%
21237	25,952	112	4.0%	431.6	231	145	4.6%	558.7	178	29.5%
21239	4,435	19	0.7%	428.4	233	15	0.5%	338.2	295	-21.1%
21244	29,016	314	11.2%	1,082.2	92	303	9.5%	1,044.3	95	-3.5%
21250	3,306	0	0.0%	0.0	--	0	0.0%	0.0	--	--
21252	2,963	1	0.0%	33.8	2,962	1	0.0%	33.8	2,962	0.0%
21286	17,506	48	1.7%	274.2	364	51	1.6%	291.3	343	6.3%
Unknown	--	7	0.2%	--	--	17	0.5%	--	--	142.9%
<b>TOTAL</b>	<b>701,736</b>	<b>2,816</b>	<b>100.0%</b>	<b>401.3</b>	<b>249</b>	<b>3,177</b>	<b>100.0%</b>	<b>452.7</b>	<b>220</b>	<b>12.8%</b>

\*\*\* Data withheld due to low population and/or case counts

**Adult/Adolescent Total Living HIV Cases:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Jurisdiction of Residence:** Jurisdiction of residence at time of initial HIV diagnosis or most recent lab test.

**Population Age 13+:** Population age 13 years or older, estimate for 7/1/2015.

**Residence at HIV Diagnosis:** Jurisdiction of residence at time of initial HIV diagnosis.

**Current Residence:** Jurisdiction of residence from the most recent laboratory test or case report between 1/1/2009-6/30/2016.

**Rate:** A proportion used to represent risk for disease within a given population. It is calculated by dividing the number of diagnoses by the number of persons at risk (population estimate).

**Ratio (1 in X):** Number of people for every 1 living HIV case in the population, or 1 living HIV case in every X number of people.

**Percent Change:** The extent to which a county gained or lost HIV/AIDS cases relative to the number of cases diagnosed in the county.

For additional information regarding current residence, please contact the Center for HIV Surveillance, Epidemiology and Evaluation in the Maryland Department of Health and Mental Hygiene at 410-767-5227.



**Table 4 – CD4 Test Results for Adult/Adolescent HIV Cases Alive on 12/31/2015, Reported through 6/30/2016**

JURISDICTION OF RESIDENCE AT DIAGNOSIS	ADULT/ADOLESCENT TOTAL LIVING HIV CASES							
	No.	Recent CD4 Test Result						
		No. with Test	% with Test	Median Count	<200	200-349	350-499	500+
21013	2	***	***	***	***	***	***	***
21030	62	32	51.6%	602	6.3%	12.5%	18.8%	62.5%
21031	***	***	***	***	***	***	***	***
21043	***	***	***	***	***	***	***	***
21051	***	***	***	***	***	***	***	***
21052	***	***	***	***	***	***	***	***
21053	4	***	***	***	***	***	***	***
21057	1	***	***	***	***	***	***	***
21071	1	***	***	***	***	***	***	***
21074	0	0	0.0%	--	--	--	--	--
21082	***	***	***	***	***	***	***	***
21085	***	***	***	***	***	***	***	***
21087	4	***	***	***	***	***	***	***
21093	39	20	51.3%	490	25.0%	15.0%	10.0%	50.0%
21102	***	***	***	***	***	***	***	***
21104	***	***	***	***	***	***	***	***
21105	***	***	***	***	***	***	***	***
21111	4	***	***	***	***	***	***	***
21117	195	109	55.9%	576	11.9%	13.8%	18.3%	56.0%
21120	6	***	***	***	***	***	***	***
21128	13	6	46.2%	763	0.0%	16.7%	16.7%	66.7%
21131	4	***	***	***	***	***	***	***
21133	232	130	56.0%	520	14.6%	9.2%	23.8%	52.3%
21136	91	44	48.4%	534	11.4%	18.2%	11.4%	59.1%
21152	7	***	***	***	***	***	***	***
21153	***	***	***	***	***	***	***	***
21155	1	***	***	***	***	***	***	***
21156	***	***	***	***	***	***	***	***
21161	1	***	***	***	***	***	***	***
21162	3	0	0.0%	--	--	--	--	--
21163	10	6	60.0%	679	0.0%	16.7%	16.7%	66.7%
21204	43	22	51.2%	568	13.6%	18.2%	9.1%	59.1%
21206	37	17	45.9%	585	11.8%	17.6%	5.9%	64.7%
21207	250	137	54.8%	530	12.4%	16.8%	18.2%	52.6%
21208	131	68	51.9%	552	7.4%	11.8%	22.1%	58.8%
21209	27	16	59.3%	711	6.3%	31.3%	0.0%	62.5%
21210	***	***	***	***	***	***	***	***
21212	12	5	41.7%	246	40.0%	20.0%	20.0%	20.0%
21215	16	10	62.5%	396	10.0%	20.0%	30.0%	40.0%
21219	20	11	55.0%	345	27.3%	27.3%	27.3%	18.2%
21220	116	61	52.6%	549	14.8%	9.8%	19.7%	55.7%
21221	198	113	57.1%	576	14.2%	11.5%	16.8%	57.5%
21222	182	120	65.9%	612	9.2%	10.0%	15.0%	65.8%
21224	21	15	71.4%	520	40.0%	6.7%	0.0%	53.3%

21227	117	65	55.6%	492	15.4%	16.9%	18.5%	49.2%
21228	126	70	55.6%	523	12.9%	12.9%	17.1%	57.1%
21229	38	26	68.4%	381	23.1%	23.1%	7.7%	46.2%
21234	224	146	65.2%	596	11.6%	11.6%	13.7%	63.0%
21236	71	35	49.3%	578	11.4%	2.9%	28.6%	57.1%
21237	112	73	65.2%	502	2.7%	24.7%	21.9%	50.7%
21239	19	12	63.2%	454	8.3%	33.3%	25.0%	33.3%
21244	314	189	60.2%	604	11.6%	9.0%	11.6%	67.7%
21250	0	0	0.0%	--	--	--	--	--
21252	1	***	***	***	***	***	***	***
21286	48	28	58.3%	664	0.0%	21.4%	7.1%	71.4%
Unknown	7	3	42.9%	423	0.0%	0.0%	66.7%	33.3%
<b>TOTAL</b>	<b>2,816</b>	<b>1,611</b>	<b>57.2%</b>	<b>564</b>	<b>12.0%</b>	<b>13.3%</b>	<b>16.6%</b>	<b>58.0%</b>

\*\*\* Data withheld due to low population and/or case counts

**Adult/Adolescent Total Living HIV Cases:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Recent CD4 Test Result:** The most recent CD4 test result measured in the specified year, reported through 6/30/2016.

**Jurisdiction of Residence at Diagnosis:** Jurisdiction of residence at later of time of initial HIV diagnosis or time of initial AIDS diagnosis.

**Median Count (Recent CD4):** Median CD4 count (cells per microliter) of the most recent CD4 test result measured in the specified year, reported through 6/30/2016.

**CD4 Result Distribution (<200, 200-349, 350-499, 500+):** Percent of cases with a CD4 test distributed by their CD4 count results (cells per microliter).

**Table 5 – Viral Load Test Results for Adult/Adolescent HIV Cases Alive on 12/31/2015, by Jurisdiction, Reported through 6/30/2016**

JURISDICTION OF RESIDENCE AT DIAGNOSIS	ADULT/ADOLESCENT TOTAL LIVING HIV CASES				
	No.	Recent Viral Load Test Result			
		No. with Test	% with Test	% Suppressed	Median Unsuppressed
21013	2	***	***	***	***
21030	62	32	51.6%	84.4%	41,420
21031	***	***	***	***	***
21043	***	***	***	***	***
21051	***	***	***	***	***
21052	***	***	***	***	***
21053	4	***	***	***	***
21057	1	***	***	***	***
21071	1	***	***	***	***
21074	0	0	0.0%	0.0%	--
21082	***	***	***	***	***
21085	***	***	***	***	***
21087	4	***	***	***	***
21093	39	20	51.3%	80.0%	19,018
21102	***	***	***	***	***
21104	***	***	***	***	***
21105	***	***	***	***	***
21111	4	***	***	***	***
21117	195	105	53.8%	81.9%	24,910
21120	6	***	***	***	***
21128	13	6	46.2%	100.0%	--
21131	4	***	***	***	***
21133	232	129	55.6%	74.4%	14,210
21136	91	46	50.5%	80.4%	11,482
21152	7	***	***	***	***
21153	***	***	***	***	***
21155	1	***	***	***	***
21156	***	***	***	***	***
21161	1	***	***	***	***
21162	3	***	***	***	***
21163	10	5	50.0%	40.0%	737
21204	43	18	41.9%	72.2%	34,906
21206	37	19	51.4%	78.9%	7,450
21207	250	134	53.6%	80.6%	9,277
21208	131	67	51.1%	83.6%	970
21209	27	14	51.9%	85.7%	25,675
21210	***	***	***	***	***
21212	12	6	50.0%	66.7%	384,289
21215	16	12	75.0%	91.7%	2,005
21219	20	9	45.0%	77.8%	141,768
21220	116	58	50.0%	79.3%	34,103
21221	198	91	46.0%	73.6%	14,754
21222	182	94	51.6%	74.5%	4,307
21224	21	10	47.6%	70.0%	54,710

21227	117	61	52.1%	75.4%	3,585
21228	126	63	50.0%	76.2%	24,850
21229	38	23	60.5%	65.2%	16,324
21234	224	135	60.3%	80.7%	23,992
21236	71	26	36.6%	92.3%	372,530
21237	112	66	58.9%	77.3%	14,772
21239	19	11	57.9%	81.8%	10,462
21244	314	172	54.8%	73.8%	7,110
21250	0	0	0.0%	0.0%	--
21252	1	***	***	***	***
21286	48	26	54.2%	88.5%	3,740
Unknown	7	3	42.9%	66.7%	44,651
<b>TOTAL</b>	<b>2,816</b>	<b>1,482</b>	<b>52.6%</b>	<b>78.1%</b>	<b>12,589</b>

\*\*\* Data withheld due to low population and/or case counts

**Adult/Adolescent Total Living HIV Cases:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Jurisdiction of Residence at Diagnosis:** Jurisdiction of residence at later of time of initial HIV diagnosis or time of initial AIDS diagnosis.

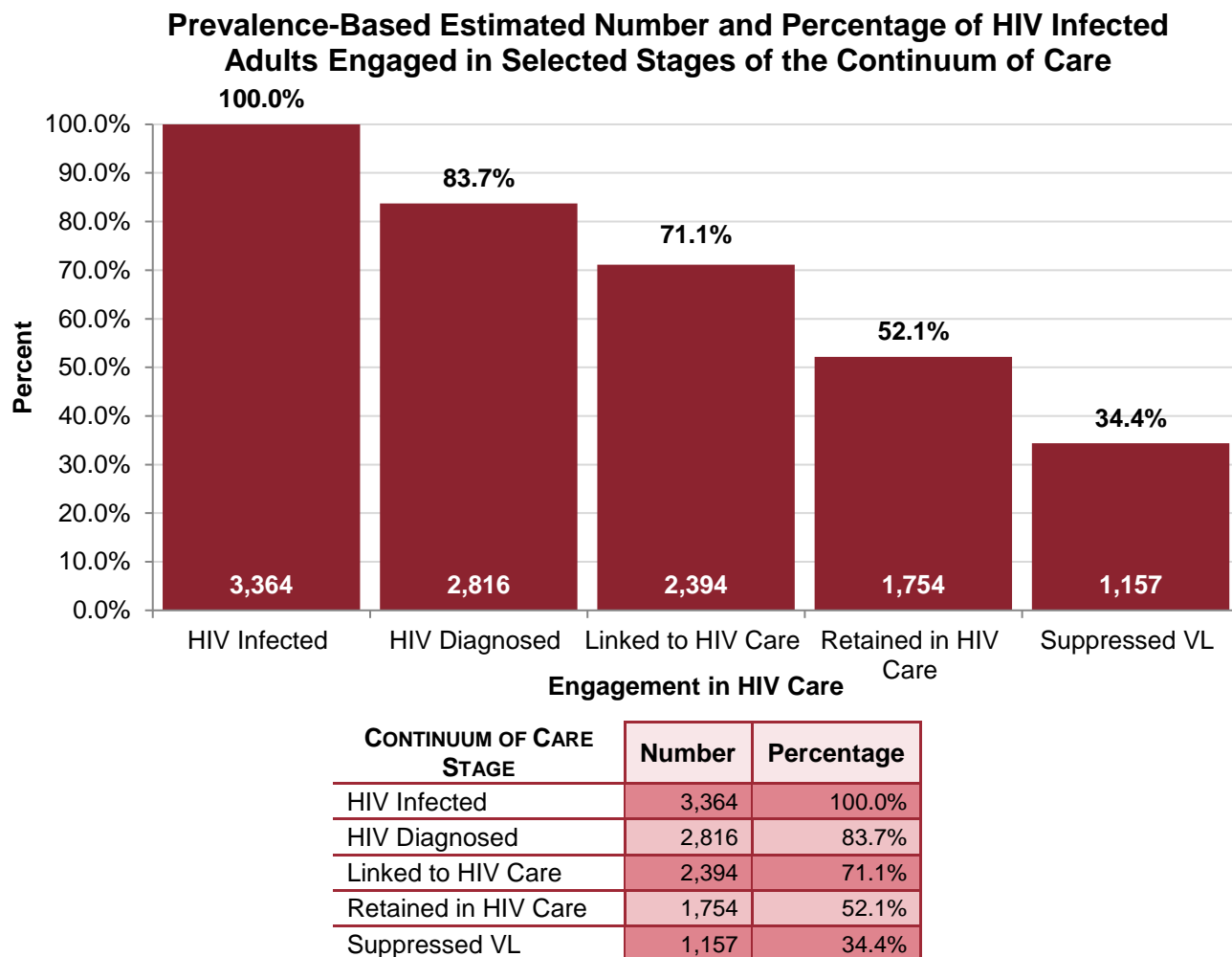
**Recent Viral Load Test Result:** The most recent viral load test result measured in the specified year, reported through 6/30/2016.

**Percent Suppressed (Viral Load):** Percent of adult/adolescent total living HIV cases with a most recent viral load measured in the specified year of less than 200 copies per milliliter, reported through 6/30/2016.

**Median Unsuppressed (Viral Load):** Median unsuppressed viral load (copies per milliliter) among adult/adolescent living HIV cases with a most recent viral load test result measured in the specified year of 200 copies per milliliter or greater, reported through 6/30/2016.

## Figure 7 – Prevalence-Based Estimated Adult/Adolescent 2015 HIV Continuum of Care Cascades, Reported through 6/30/2016

In their 2011 article in *Clinical Infectious Diseases*, Gardner et al.<sup>1</sup> utilize a continuum of care “cascade” to illustrate estimates of the number of persons living with HIV who belong to each of the stages of engagement in HIV care. The prevalence-based Baltimore County Engagement in HIV Care Cascade (below) uses a CDC estimate of the percentage of undiagnosed persons in Maryland (16.3%)<sup>2</sup> to generate an estimated number of HIV infected persons in Baltimore County. It then uses local data to describe the number and percentage of persons living with HIV in Baltimore County who belong to each of the stages of engagement in HIV care.



**HIV Infected:** HIV Diagnosed divided by one minus the estimate of undiagnosed HIV infections (16.3%) in Maryland.

**HIV Diagnosed:** Adult/adolescent total living HIV cases as of December 31<sup>st</sup> of the specified year.

**Linked to HIV Care:** HIV Diagnosed multiplied by the percent of adult/adolescent reported HIV diagnoses during the specified year with a reported CD4 or viral load test performed less than or equal to 3 months after their initial HIV diagnosis.

**Retained in HIV Care:** HIV Diagnosed with a CD4 or viral load test result measured in the specified year, reported through 6/30/2016.

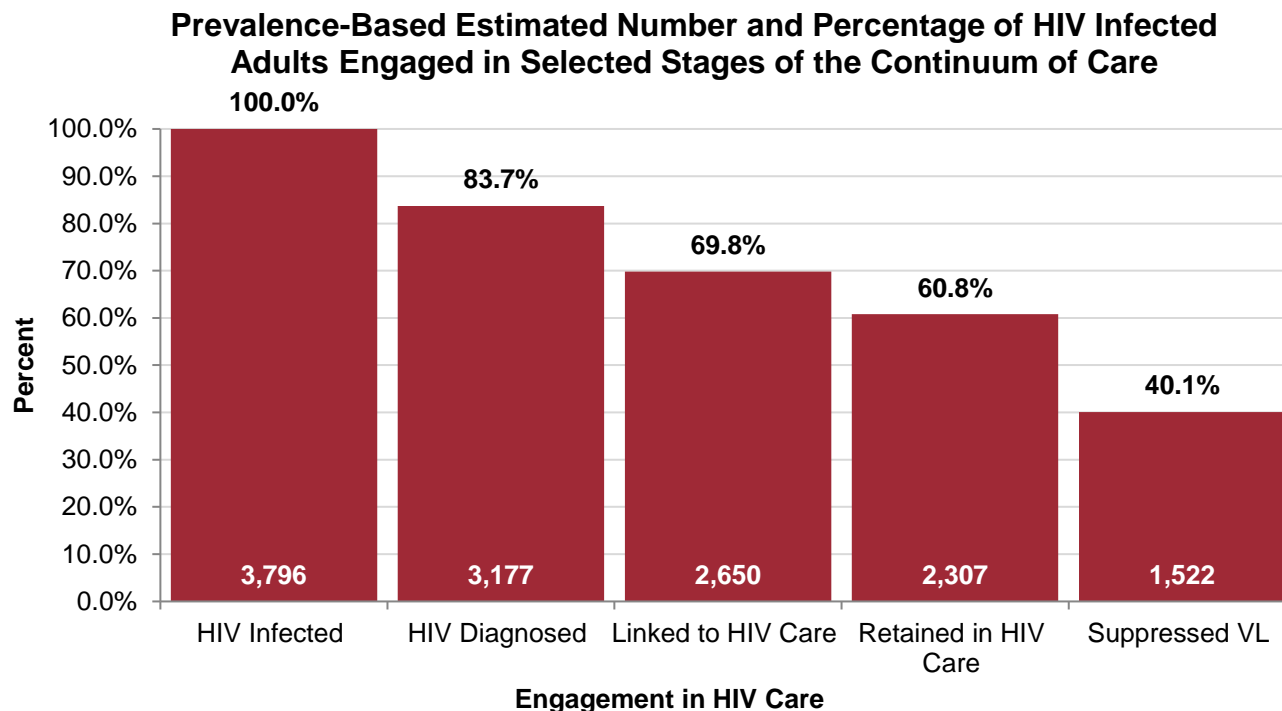
**Suppressed Viral Load:** HIV Diagnosed with the most recent viral load measured in the specified year, reported through 6/30/2016 of less than 200 copies per milliliter.

<sup>1</sup> Gardner et al, “The Spectrum of Engagement in HIV Care and its Relevance to Test and Treat Strategies for Prevention of HIV Infection.” *Clin Infect Dis.* 2011; 52 (6): 7930-800.

<sup>2</sup> Centers for Disease Control and Prevention. Monitoring selected national HIV prevention and care objectives by using HIV surveillance data—United States and 6 dependent areas, 2014. *HIV Surveillance Supplemental Report* 2016;21(No. 4). <http://www.cdc.gov/hiv/library/reports/surveillance/>. Published July 2016.

## Figure 7A – Prevalence-Based Estimated Adult/Adolescent 2015 HIV Continuum of Care Cascades, by Current Residence, Reported through 6/30/2016

The prevalence-based Baltimore County Engagement in HIV Care Cascade (below) uses a CDC estimate of the percentage of undiagnosed persons in Maryland (16.3%)<sup>1</sup> to generate an estimated number of HIV infected persons in Baltimore County. It then uses local data for current Baltimore County residents to describe the number and percentage of persons living with HIV in Baltimore County who belong to each of the stages of engagement in HIV care.



CONTINUUM OF CARE STAGE	Number	Percentage
HIV Infected	3,796	100.0%
HIV Diagnosed	3,177	83.7%
Linked to HIV Care	2,650	69.8%
Retained in HIV Care	2,307	60.8%
Suppressed VL	1,522	40.1%

**HIV Infected:** HIV Diagnosed divided by one minus the estimate of undiagnosed HIV infections (16.3%) in Maryland.

**HIV Diagnosed:** Adult/adolescent total living HIV as of December 31<sup>st</sup> of the specified year with a recent address in Maryland between 2009 and 2016.

**Linked to HIV Care:** HIV Diagnosed multiplied by the percent of adult/adolescent reported HIV diagnoses during the specified year with a reported CD4 or viral load test performed less than or equal to 3 months after their initial HIV diagnosis.

**Retained in HIV Care:** HIV Diagnosed with a CD4 or viral load test result measured in the specified year, reported through 6/30/2016.

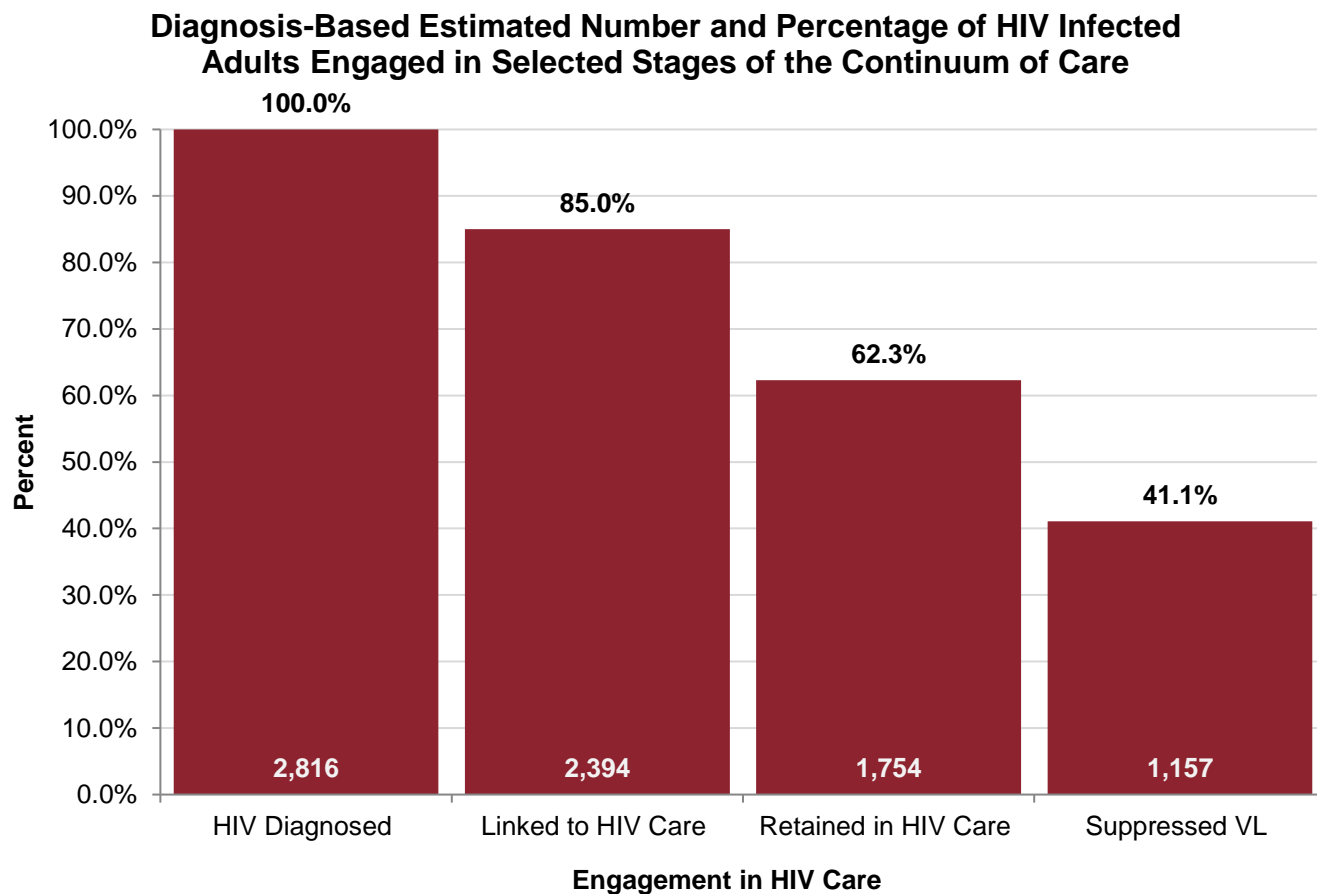
**Suppressed Viral Load:** HIV Diagnosed with the most recent viral load reported in the 12 months prior to December 31<sup>st</sup> of the specified year of less than 200 copies per milliliter.

For additional information regarding current residence, please contact the Center for HIV Surveillance, Epidemiology and Evaluation in the Maryland Department of Health and Mental Hygiene at 410-767-5227.

<sup>1</sup> Centers for Disease Control and Prevention. Monitoring selected national HIV prevention and care objectives by using HIV surveillance data—United States and 6 dependent areas, 2014. *HIV Surveillance Supplemental Report* 2016;21(No. 4). <http://www.cdc.gov/hiv/library/reports/surveillance/>. Published July 2016.

## Figure 8 – Diagnosis-Based Estimated Adult/Adolescent 2015 HIV Continuum of Care Cascades, Reported through 6/30/2016

The diagnosis-based Baltimore County Engagement in HIV Care Cascade (below) uses local data to describe the number and percentage of persons diagnosed with HIV in Baltimore County who belong to each of the stages of engagement in HIV care.



CONTINUUM OF CARE STAGE	Number	Percentage
HIV Diagnosed	2,816	100.0%
Linked to HIV Care	2,394	85.0%
Retained in HIV Care	1,754	62.3%
Suppressed VL	1,157	41.1%

**HIV Diagnosed:** Adult/adolescent total living HIV cases as of December 31<sup>st</sup> of the specified year.

**Linked to HIV Care:** HIV Diagnosed multiplied by the percent of adult/adolescent reported HIV diagnoses during the specified year with a reported CD4 or viral load test performed less than or equal to 3 months after their initial HIV diagnosis.

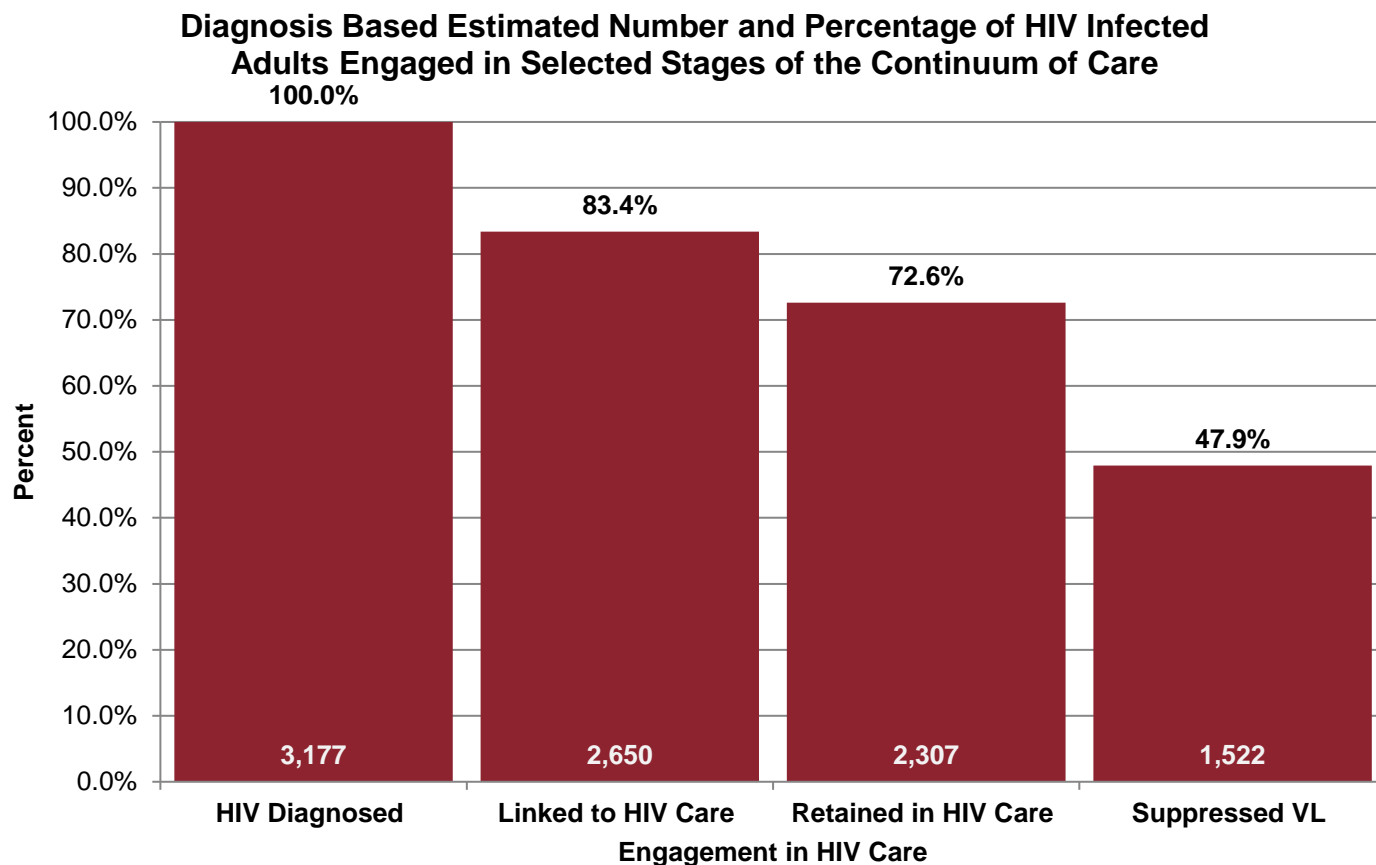
**Retained in HIV Care:** HIV Diagnosed with a CD4 or viral load test result measured in the specified year, reported through 6/30/2016

**Suppressed Viral Load:** HIV Diagnosed with the most recent viral load measured in the specified year of less than 200 copies per milliliter, reported through 6/30/2016.



## Figure 8A – Diagnosis-Based Estimated Adult/Adolescent 2015 HIV Continuum of Care Cascades, by Current Residence, Reported through 6/30/2016

The diagnosis-based Baltimore County Engagement in HIV Care Cascade (below) uses local data for current Baltimore County residents to describe the number and percentage of persons diagnosed with HIV in Baltimore County who belong to each of the stages of engagement in HIV care.



CONTINUUM OF CARE STAGE	Number	Percentage
HIV Diagnosed	3,177	100.0%
Linked to HIV Care	2,650	83.4%
Retained in HIV Care	2,307	72.6%
Suppressed VL	1,522	47.9%

**HIV Diagnosed:** Adult/adolescent total living HIV as of December 31<sup>st</sup> of the specified year with a recent address in Maryland between 2009 and 2016.

**Linked to HIV Care:** HIV Diagnosed multiplied by the percent of adult/adolescent reported HIV diagnoses during the specified year with a reported CD4 or viral load test performed less than or equal to 3 months after their initial HIV diagnosis.

**Retained in HIV Care:** HIV Diagnosed with a CD4 or viral load test result measured in the specified year, reported through 6/30/2016.

**Suppressed Viral Load:** HIV Diagnosed with the most recent viral measured in the specified year of less than 200 copies per milliliter, reported through 6/30/2016.

For additional information regarding current residence, please contact the Center for HIV Surveillance, Epidemiology and Evaluation in the Maryland Department of Health and Mental Hygiene at 410-767-5227.

## Section IV – Cases by Age

**Table 6 – HIV Diagnoses during 2015, First CD4 Test Result, Percent Linked to Care, Percent Late Diagnosis, by Age at HIV Diagnosis, Reported through 6/30/2016**

AGE AT HIV DIAGNOSIS	POPULATION	REPORTED HIV DIAGNOSES									
		No.	% of Total	Rate	No. Linked to Care	% Linked to Care	No. Late Diagnosis	% Late Diagnosis	First CD4 Test Result		
									No. with Test	% with Test	Median Count
<5 (Pediatric)	50,038	0	0.0%	0.0	0	0.0%	0	0.0%	0	0.0%	--
5-12 (Pediatric)	79,354	0	0.0%	0.0	0	0.0%	0	0.0%	0	0.0%	--
13-19	72,435	4	3.0%	5.5	***	***	***	***	***	***	***
20-29	113,620	45	33.8%	39.6	37	82.2%	8	17.8%	36	80.0%	399
30-39	107,362	32	24.1%	29.8	29	90.6%	6	18.8%	28	87.5%	462
40-49	103,505	28	21.1%	27.1	22	78.6%	12	42.9%	24	85.7%	357
50-59	119,097	17	12.8%	14.3	14	82.4%	***	***	14	82.4%	344
60+	185,717	7	5.3%	3.8	***	***	***	***	***	***	***
TOTAL	831,128	133	100.0%	16.0	113	85.0%	33	24.8%	109	82.0%	384

\*\*\* Data withheld due to low population counts and/or case counts

**Table 7 – AIDS Diagnoses during 2015, Mean Years from HIV Diagnosis and Percent Late HIV Diagnosis, by Age at AIDS Diagnosis, Reported through 6/30/2016**

AGE AT AIDS DIAGNOSIS	POPULATION	REPORTED AIDS DIAGNOSES				
		No.	% of Total	Rate	Mean Years from HIV Diagnosis	% Late HIV Diagnosis
<5 (Pediatric)	50,038	0	0.0%	0	--	--
5-12 (Pediatric)	79,354	0	0.0%	0	--	--
13-19	72,435	0	0.0%	0	--	--
20-29	113,620	17	23.3%	15.0	2.4	52.9%
30-39	107,362	12	16.4%	11.2	3.2	58.3%
40-49	103,505	22	30.1%	21.3	6.1	40.9%
50-59	119,097	14	19.2%	11.8	5.2	50.0%
60+	185,717	8	11.0%	4.3	9.1	37.5%
<b>TOTAL</b>	<b>831,128</b>	<b>73</b>	<b>100.0%</b>	<b>8.8</b>	<b>4.9</b>	<b>47.9%</b>

**Reported HIV Diagnoses:** Reported HIV diagnoses with an initial HIV diagnosis during the specified year.

**Age at HIV Diagnosis:** Age group at time of initial HIV diagnosis.

**Population:** Population estimate for 7/1/2015.

**Rate:** A proportion used to represent risk for disease within a given population. It is calculated by dividing the number of diagnoses by the number of persons at risk (population estimate).

**First CD4 Test Result:** First reported CD4 test result obtained within 12 months following initial HIV diagnosis.

**Median Count (First CD4):** Median CD4 count (cells per microliter) of the first CD4 test result reported within 12 months following initial HIV diagnosis.

**Number Linked to Care:** Number of adult/adolescent reported HIV diagnoses with a CD4 or viral load test performed less than or equal to 3 months after their initial HIV diagnosis calculated from Percent Linked to Care.

**Percent Linked to Care:** Percent of adult/adolescent reported HIV diagnoses with a CD4 or viral load test performed less than or equal to 3 months after their initial HIV diagnosis.

**Number of Late HIV diagnosis (for HIV diagnoses):** Number of adult/adolescent reported HIV diagnoses with an initial AIDS diagnosis less than or equal to 12 months after their initial HIV diagnosis calculated from Percent Late HIV Diagnosis.

**Percent Late HIV Diagnosis (for HIV diagnoses):** Percent of adult/adolescent reported HIV diagnoses with an initial AIDS diagnosis less than or equal to 12 months after their initial HIV diagnosis.

**Age at AIDS Diagnosis:** Age group at time of initial AIDS diagnosis.

**Reported AIDS Diagnoses:** Reported HIV diagnoses with an initial AIDS diagnosis during the specified year.

**Mean Years from HIV Diagnosis (to AIDS Diagnosis):** Mean number of years from initial HIV diagnosis to initial AIDS diagnosis for cases with a reported AIDS diagnosis.

**Table 8 – HIV Cases Alive on 12/31/2015, by Age on 12/31/2015, Reported through 6/30/2016**

AGE ON 12/31/2015	POPULATION	LIVING HIV CASES WITHOUT AIDS			LIVING HIV CASES WITH AIDS			TOTAL LIVING HIV CASES			
		No.	%	Rate	No.	%	Rate	No.	%	Rate	Ratio (1 in X)
<5	50,038	0	0.0%	0	0	0.0%	0.0	0	0.0%	0.0	--
5-12	79,354	7	0.5%	8.8	1	0.1%	1.3	8	0.3%	10.1	9,919
13-19	72,435	14	1.1%	19.3	4	0.3%	5.5	18	0.6%	24.8	4,024
20-29	113,620	251	18.8%	220.9	99	6.5%	87.1	350	12.2%	308.0	324
30-39	107,362	312	23.4%	290.6	219	14.3%	204.0	531	18.5%	494.6	202
40-49	103,505	286	21.5%	276.3	430	28.1%	415.4	716	25.0%	691.8	144
50-59	119,097	330	24.8%	277.1	493	32.2%	413.9	823	28.7%	691.0	144
60+	185,717	133	10.0%	71.6	286	18.7%	154.0	419	14.6%	225.6	443
<b>TOTAL</b>	<b>831,128</b>	<b>1,333</b>	<b>100.0%</b>	<b>160.4</b>	<b>1,532</b>	<b>100.0%</b>	<b>184.3</b>	<b>2,865</b>	<b>100.0%</b>	<b>344.7</b>	<b>290</b>

**Age on [date]:** Age group of living cases on the specified date.

**Population:** Population estimate for 7/1/2015.

**Adult/Adolescent Living HIV Cases without AIDS:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, without an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Adult/Adolescent Living HIV Cases with AIDS:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Adult/Adolescent Total Living HIV Cases:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Rate:** A proportion used to represent risk for disease within a given population. It is calculated by dividing the number of diagnoses by the number of persons at risk (population estimate).

**Ratio (1 in X):** Number of people for every 1 living HIV case in the population, or 1 living HIV case in every X number of people.

**Table 9 – CD4 Test Results for Adult/Adolescent HIV Cases Alive on 12/31/2015, by Age on 12/31/2015, Reported through 6/30/2016**

AGE ON 12/31/2015	ADULT/ADOLESCENT TOTAL LIVING HIV CASES							
	No.	Recent CD4 Test Results						
		No. with Test	% with Test	Median Count	<200	200-349	350-499	500+
13-19	8	5	62.5%	302	0.0%	60.0%	20.0%	20.0%
20-29	320	185	57.8%	549	9.2%	13.5%	19.5%	57.8%
30-39	530	272	51.3%	573	12.9%	12.1%	16.9%	58.1%
40-49	716	408	57.0%	564	12.3%	13.2%	16.9%	57.6%
50-59	823	494	60.0%	580	13.4%	13.4%	13.8%	59.5%
60+	419	247	58.9%	547	10.1%	13.8%	19.4%	56.7%
<b>TOTAL</b>	<b>2,816</b>	<b>1,611</b>	<b>57.2%</b>	<b>564</b>	<b>12.0%</b>	<b>13.3%</b>	<b>16.6%</b>	<b>58.0%</b>

**Table 10 – Viral Load Test Results for Adult/Adolescent HIV Cases Alive on 12/31/2015, by Age on 12/31/2015, Reported through 6/30/2016**

AGE ON 12/31/2015	ADULT/ADOLESCENT TOTAL LIVING HIV CASES				
	No.	Recent Viral Load Test Result			
		No. with Test	% with Test	% Suppressed	Median Unsuppressed
13-19	8	5	62.5%	60.0%	13,572
20-29	320	193	60.3%	64.2%	11,482
30-39	530	265	50.0%	72.5%	17,466
40-49	716	378	52.8%	79.9%	10,655
50-59	823	433	52.6%	81.8%	13,568
60+	419	208	49.6%	87.5%	3,644
<b>TOTAL</b>	<b>2,816</b>	<b>1,482</b>	<b>52.6%</b>	<b>78.1%</b>	<b>12,589</b>

**Adult/Adolescent Total Living HIV Cases:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Age on [date]:** Age group of living cases on the specified date.

**Recent CD4 Test Result:** The most recent CD4 test result measured in the specified year, reported through 6/30/2016.

**Median Count (Recent CD4):** Median CD4 count (cells per microliter) of the most recent CD4 test result measured in the specified year, reported through 6/30/2016.

**CD4 Result Distribution (<200, 200-349, 350-499, 500+):** Percent of cases with a CD4 test distributed by their CD4 count results (cells per microliter).

**Recent Viral Load Test Result:** The most recent viral load test result measured in the specified year, reported through 6/30/2016.

**Percent Suppressed (Viral Load):** Percent of adult/adolescent total living HIV cases with a most recent viral load measured in the specified year of less than 200 copies per milliliter, reported through 6/30/2016.

**Median Unsuppressed (Viral Load):** Median unsuppressed viral load (copies per milliliter) among adult/adolescent living HIV cases with a most recent viral load test result measured in the specified year of 200 copies per milliliter or greater, reported through 6/30/2016.

## Section V – Adult/Adolescent Cases by Demographics

**Table 11 – Adult/Adolescent HIV Diagnoses during 2015, First CD4 Test Result, Percent Linked to Care, and Percent Late Diagnosis, by Sex at Birth, Race/Ethnicity and Country of Birth, Reported through 6/30/2016**

SEX AT BIRTH	POPULATION AGE 13+*	ADULT/ADOLESCENT REPORTED HIV DIAGNOSES									
		No.	% of Total	Rate	No. Linked to Care	% Linked to Care	No. of Late Diagnosis	% Late Diagnosis	First CD4 Test Result		
									No. with Test	% with Test	Median Count
Male	328,324	86	64.7%	26.2	71	82.6%	22	25.6%	68	79.1%	366
Female	373,412	47	35.3%	12.6	42	89.4%	11	23.4%	41	87.2%	424
TOTAL	701,736	133	100.0%	19.0	113	85.0%	33	24.8%	109	82.0%	384

RACE/ETHNICITY	POPULATION AGE 13+*	ADULT/ADOLESCENT REPORTED HIV DIAGNOSES									
		No.	% of Total	Rate	No. Linked to Care	% Linked to Care	No. of Late Diagnosis	% Late Diagnosis	First CD4 Test Result		
									No. with Test	% with Test	Median Count
Hispanic	31,295	7	5.3%	22.4	6	85.7%	3	42.9%	6	85.7%	268
Non-Hispanic	670,441	126	94.7%	18.8	107	84.9%	30	23.8%	103	81.7%	406
American Indian/Alaska Native, only	1,843	1	0.8%	54.3	***	***	***	***	***	***	***
Asian, only	41,170	3	2.3%	7.3	***	***	***	***	***	***	***
Black, only	187,075	91	68.4%	48.6	75	82.4%	18	19.8%	70	76.9%	399
Native Hawaiian/ Other Pacific Islander, only	305	0	0.0%	0.0	--	--	--	--	--	--	--
White, only	429,089	27	20.3%	6.3	24	88.9%	9	33.3%	25	92.6%	406
Multiracial/ Other	10,958	4	3.0%	36.5	***	***	***	***	***	***	***
TOTAL	701,736	133	100.0%	19.0	113	85.0%	33	24.8%	109	82.0%	384

COUNTRY OF BIRTH	POPULATION AGE 13+**	ADULT/ADOLESCENT REPORTED HIV DIAGNOSES									
		No.	% of Total	Rate	No. Linked to Care	% Linked to Care	No. of Late Diagnosis	% Late Diagnosis	First CD4 Test Result		
									No. with Test	% with Test	Median Count
United States	602,721	109	82.0%	18.1	90	82.6%	29	26.6%	87	79.8%	364
Foreign-born	86,607	11	8.3%	12.7	11	100.0%	2	18.2%	11	100.0%	459
Africa	--	7	5.3%	--	7	100.0%	***	***	7	100.0%	459
Asia	--	2	1.5%	--	***	***	***	***	***	***	***
Caribbean	--	0	0.0%	--	--	--	--	--	--	--	--
Central America	--	1	0.8%	--	***	***	***	***	***	***	***
Other	--	1	0.8%	--	***	***	***	***	***	***	***
Unknown	--	13	9.8%	--	12	92.3%	2	15.4%	11	84.6%	427
TOTAL	689,328	133	100.0%	19.3	113	85.0%	33	24.8%	109	82.0%	384

\* Population data by sex at birth, age, and race/ethnicity are from the 2015 U.S. Census population estimates

\*\* Population data by country of birth are from the 2014 American Community Survey

\*\*\* Data withheld due to low population and/or case counts

**Adult/Adolescent Reported HIV Diagnoses:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an initial HIV diagnosis during the specified year.

**Population Age 13+:** Population greater than or equal to 13 years old, estimate for 7/1/2015.

**Rate:** A proportion used to represent risk for disease within a given population. It is calculated by dividing the number of diagnoses by the number of persons at risk (population estimate).

**First CD4 Test Result:** First reported CD4 test result obtained within 12 months following initial HIV diagnosis.

**Median Count (First CD4):** Median CD4 count (cells per microliter) of the first CD4 test result reported within 12 months following initial HIV diagnosis.

**Number Linked to Care:** Number of adult/adolescent reported HIV diagnoses with a CD4 or viral load test performed less than or equal to 3 months after their initial HIV diagnosis calculated from Percent Linked to Care.

**Percent Linked to Care:** Percent of adult/adolescent reported HIV diagnoses with a CD4 or viral load test performed less than or equal to 3 months after their initial HIV diagnosis.

**Number of Late HIV diagnosis (for HIV diagnoses):** Number of adult/adolescent reported HIV diagnoses with an initial AIDS diagnosis less than or equal to 12 months after their initial HIV diagnosis calculated from Percent Late HIV Diagnosis.

**Percent Late HIV Diagnosis (for HIV diagnoses):** Percent of adult/adolescent reported HIV diagnoses with an initial AIDS diagnosis less than or equal to 12 months after their initial HIV diagnosis.



**Table 12 – Adult/Adolescent AIDS Diagnoses during 2015, Mean Years from HIV Diagnosis and Percent Late HIV Diagnosis, by Sex at Birth, Race/Ethnicity and Country of Birth, Reported through 6/30/2016**

SEX AT BIRTH	POPULATION AGE 13+*	ADULT/ADOLESCENT REPORTED AIDS DIAGNOSES				
		No.	% of Total	Rate	Mean Years from HIV Diagnosis	% Late HIV Diagnosis
Male	328,324	53	72.6%	16.1	4.3	52.8%
Female	373,412	20	27.4%	5.4	6.5	35.0%
TOTAL	701,736	73	100.0%	10.4	4.9	47.9%

RACE/ETHNICITY	POPULATION AGE 13+*	ADULT/ADOLESCENT REPORTED AIDS DIAGNOSES				
		No.	% of Total	Rate	Mean Years from HIV Diagnosis	% Late HIV Diagnosis
Hispanic	31,295	3	4.1%	9.6	0.0	100.0%
Non-Hispanic	670,441	70	95.9%	10.4	5.1	45.7%
American Indian/Alaska Native, only	1,843	1	1.4%	54.3	***	***
Asian, only	41,170	2	2.7%	4.9	***	***
Black, only	187,075	51	69.9%	27.3	5.7	37.3%
Native Hawaiian/Other Pacific Islander, only	305	0	0.0%	0.0	--	--
White, only	429,089	13	17.8%	3.0	4.7	69.2%
Multiracial/Other	10,958	3	4.1%	27.4	***	***
TOTAL	701,736	73	100.0%	10.4	4.9	47.9%

COUNTY OF BIRTH	POPULATION AGE 13+**	ADULT/ADOLESCENT REPORTED AIDS DIAGNOSES				
		No.	% of Total	Rate	Mean Years from HIV Diagnosis	% Late HIV Diagnosis
United States	602,721	67	91.8%	11.1	5.2	46.3%
Foreign-born	86,607	3	4.1%	3.5	0.7	66.7%
Africa	--	1	1.4%	--	***	***
Asia	--	2	2.7%	--	***	***
Caribbean	--	0	0.0%	--	--	0.0%
Central America	--	0	0.0%	--	--	0.0%
Other	--	0	0.0%	--	--	0.0%
Unknown	--	3	4.1%	--	1.8	66.7%
TOTAL	689,328	73	100.0%	10.6	4.9	47.9%

\* Population data by sex at birth, age, and race/ethnicity are from the 2015 U.S. Census population estimates

\*\* Population data by country of birth are from the 2014 American Community Survey

\*\*\* Data withheld due to low population and/or case counts

**Adult/Adolescent Reported AIDS Diagnoses:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an initial AIDS diagnosis during the specified year.

**Population Age 13+:** Population greater than or equal to 13 years old, estimate for 7/1/2015.

**Rate:** A proportion used to represent risk for disease within a given population. It is calculated by dividing the number of diagnoses by the number of persons at risk (population estimate).

**Mean Years from HIV Diagnosis (to AIDS Diagnosis):** Mean number of years from initial HIV diagnosis to initial AIDS diagnosis for cases with a reported AIDS diagnosis.

**Percent Late HIV Diagnosis (for AIDS diagnoses):** Percent of adult/adolescent reported AIDS diagnoses with an initial HIV diagnosis less than or equal to 12 months prior to their initial AIDS diagnosis.

**Table 13 – Adult/Adolescent Living HIV Cases with and without AIDS by Sex at Birth, Race/Ethnicity, and Country of Birth, Alive on 12/31/2015 and Reported through 6/30/2016**

SEX AT BIRTH	POPULATION AGE 13+	ADULT/ADOLESCENT LIVING HIV CASES WITHOUT AIDS			ADULT/ADOLESCENT LIVING HIV CASES WITH AIDS			ADULT/ADOLESCENT TOTAL LIVING HIV CASES			Ratio (1 in X)
		No.	%	Rate	No.	%	Rate	No.	%	Rate	
Male	328,324	862	66.1%	262.5	993	65.7%	302.4	1,855	65.9%	565.0	176
Female	373,412	442	33.9%	118.4	519	34.3%	139.0	961	34.1%	257.4	388
TOTAL	701,736	1,304	100.0%	185.8	1,512	100.0%	215.5	2,816	100.0%	401.3	249

RACE/ETHNICITY	POPULATION AGE 13+*	ADULT/ADOLESCENT LIVING HIV CASES WITHOUT AIDS			ADULT/ADOLESCENT LIVING HIV CASES WITH AIDS			ADULT/ADOLESCENT TOTAL LIVING HIV CASES			Ratio (1 in X)
		No.	%	Rate	No.	%	Rate	No.	%	Rate	
Hispanic	31,295	49	3.8%	156.6	68	4.5%	217.3	117	4.2%	373.9	267
Non-Hispanic	670,441	1,255	96.2%	187.2	1,444	95.5%	215.4	2,699	95.8%	402.6	248
American Indian/Alaska Native, only	1,843	1	0.1%	54.3	1	0.1%	54.3	2	0.1%	108.5	921
Asian, only	41,170	17	1.3%	41.3	8	0.5%	19.4	25	0.9%	60.7	1,646
Black, only	187,075	875	67.1%	467.7	995	65.8%	531.9	1,870	66.4%	999.6	100
Native Hawaiian/Other Pacific Islander, only	305	0	0.0%	0.0	0	0.0%	0.0	0	0.0%	0.0	--
White, only	429,089	291	22.3%	67.8	338	22.4%	78.8	629	22.3%	146.6	682
Multiracial/Other	10,958	71	5.4%	647.9	102	6.7%	930.8	173	6.1%	1,578.7	63
TOTAL	701,736	1,304	100.0%	185.8	1,512	100.0%	215.5	2,816	100.0%	401.3	249

COUNTRY OF BIRTH	POPULATION AGE 13+**	ADULT/ADOLESCENT LIVING HIV CASES WITHOUT AIDS			ADULT/ADOLESCENT LIVING HIV CASES WITH AIDS			ADULT/ADOLESCENT TOTAL LIVING HIV CASES			Ratio (1 in X)
		No.	%	Rate	No.	%	Rate	No.	%	Rate	
United States	602,721	1,146	87.9%	190.1	1,365	90.3%	226.5	2,511	89.2%	416.6	240
Foreign-born	86,607	76	5.8%	87.8	108	7.1%	124.7	184	6.5%	212.5	470
Africa	--	52	4.0%	--	67	4.4%	--	119	4.2%	--	--
Asia	--	8	0.6%	--	14	0.9%	--	22	0.8%	--	--
Caribbean	--	6	0.5%	--	9	0.6%	--	15	0.5%	--	--
Central America	--	4	0.3%	--	7	0.5%	--	11	0.4%	--	--
Other	--	6	0.5%	--	11	0.7%	--	17	0.6%	--	--
Unknown	--	82	6.3%	--	39	2.6%	--	121	4.3%	--	--
TOTAL	689,328	1,304	100.0%	189.2	1,512	100.0%	219.3	2,816	100.0%	408.5	244

\* Population data by sex at birth, age, and race/ethnicity are from the 2015 U.S. Census population estimates

\*\* Population data by country of birth are from the 2014 American Community Survey

**Population Age 13+:** Population greater than or equal to 13 years old, estimate for 7/1/2015.

**Adult/Adolescent Living HIV Cases without AIDS:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, without an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Adult/Adolescent Living HIV Cases with AIDS:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Adult/Adolescent Total Living HIV Cases:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Rate:** A proportion used to represent risk for disease within a given population. It is calculated by dividing the number of diagnoses by the number of persons at risk (population estimate).

**Ratio (1 in X):** Number of people for every 1 living HIV case in the population, or 1 living HIV case in every X number of people.

**Table 14 –Adult/Adolescent Total Living HIV Cases, Recent CD4 Test Results, by Sex at Birth, Race/Ethnicity and Country of Birth, Alive on 12/31/2015 and Reported through 6/30/2016**

SEX AT BIRTH	ADULT/ADOLESCENT TOTAL LIVING HIV CASES							
	No.	Recent CD4 Test Result						
		No. with Test	% with Test	Median Count	<200	200-349	350-499	500+
Male	1,855	1,035	55.8%	554	12.7%	13.8%	15.7%	57.8%
Female	961	576	59.9%	584	10.8%	12.5%	18.2%	58.5%
TOTAL	2,816	1,611	57.2%	564	12.0%	13.3%	16.6%	58.0%

RACE/ETHNICITY	ADULT/ADOLESCENT TOTAL LIVING HIV CASES							
	No.	Recent CD4 Test Result						
		No. with Test	% with Test	Median Count	<200	200-349	350-499	500+
Hispanic	117	60	51.3%	481	16.7%	18.3%	18.3%	46.7%
Non-Hispanic	2,699	1,551	57.5%	571	11.8%	13.2%	16.6%	58.5%
American Indian/Alaska Native, only	2	1	50.0%	***	***	***	***	***
Asian, only	25	17	68.0%	***	***	***	***	***
Black, only	1,870	1,088	58.2%	564	12.3%	13.1%	16.6%	58.0%
Native Hawaiian/Other Pacific Islander, only	0	0	0.0%	--	--	--	--	--
White, only	629	331	52.6%	597	10.6%	11.2%	15.4%	62.8%
Multiracial/Other	173	114	65.9%	527	9.6%	18.4%	20.2%	51.8%
TOTAL	2,816	1,611	57.2%	564	12.0%	13.3%	16.6%	58.0%

COUNTRY OF BIRTH	ADULT/ADOLESCENT TOTAL LIVING HIV CASES							
	No.	Recent CD4 Test Result						
		No. with Test	% with Test	Median Count	<200	200-349	350-499	500+
United States	2,511	1,430	56.9%	571	12.7%	13.4%	15.8%	58.1%
Foreign-born	184	105	57.1%	520	6.7%	9.5%	25.7%	58.1%
Africa	120	73	60.8%	533	6.8%	4.1%	27.4%	61.6%
Asia	21	13	61.9%	299	15.4%	38.5%	15.4%	30.8%
Caribbean	15	9	60.0%	615	0.0%	0.0%	22.2%	77.8%
Central America	11	5	45.5%	373	0.0%	20.0%	40.0%	40.0%
Other	17	5	29.4%	683	0.0%	20.0%	20.0%	60.0%
Unknown	121	76	62.8%	590	6.6%	17.1%	19.7%	56.6%
TOTAL	2,816	1,611	57.2%	564	12.0%	13.3%	16.6%	58.0%

\*\*\* Data withheld due to low population and/or case counts

**Adult/Adolescent Total Living HIV Cases:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Recent CD4 Test Result:** The most recent CD4 test result measured in the specified year, as reported through 6/30/2016.

**Median Count (Recent CD4):** Median CD4 count (cells per microliter) of the most recent CD4 test result measured in the specified year, as reported through 6/30/2016.

**CD4 Result Distribution (<200, 200-349, 350-499, 500+):** Percent of cases with a CD4 test distributed by their CD4 count results (cells per microliter).

**Table 15 – Adult/Adolescent Total Living HIV Cases, Recent Viral Load Test Results, by Sex at Birth, Race/Ethnicity and Country of Birth, Alive on 12/31/2015 and Reported through 6/30/2016**

ADULT/ADOLESCENT TOTAL LIVING HIV CASES					
SEX AT BIRTH	No.	Recent Viral Load Test Result			
		No. with Test	% with Test	% Suppressed	Median Unsuppressed
Male	1,855	958	51.6%	78.8%	13,060
Female	961	524	54.5%	76.7%	12,145
TOTAL	2,816	1,482	52.6%	78.1%	12,589

ADULT/ADOLESCENT TOTAL LIVING HIV CASES					
RACE/ETHNICITY	No.	Recent Viral Load Test Result			
		No. with Test	% with Test	% Suppressed	Median Unsuppressed
Hispanic	117	56	47.9%	75.0%	41,717
Non-Hispanic	2,699	1,426	52.8%	78.2%	11,482
American Indian/Alaska Native, only	2	1	50.0%	***	***
Asian, only	25	15	60.0%	***	***
Black, only	1,870	1,028	55.0%	76.1%	9,097
Native Hawaiian/Other Pacific Islander, only	0	0	0.0%	0.0%	--
White, only	629	283	45.0%	84.8%	32,914
Multiracial/Other	173	99	57.2%	78.8%	20,507
TOTAL	2,816	1,482	52.6%	78.1%	12,589

ADULT/ADOLESCENT TOTAL LIVING HIV CASES					
COUNTRY OF BIRTH	No.	Recent Viral Load Test Result			
		No. with Test	% with Test	% Suppressed	Median Unsuppressed
United States	2,511	1,317	52.4%	77.1%	12,971
Foreign-born	184	97	52.7%	88.7%	949
Africa	120	67	55.8%	86.6%	949
Asia	21	13	61.9%	84.6%	2,117,085
Caribbean	15	7	46.7%	100.0%	--
Central America	11	5	45.5%	100.0%	--
Other	17	5	29.4%	100.0%	--
Unknown	121	68	56.2%	82.4%	15,682
TOTAL	2,816	1,482	52.6%	78.1%	12,589

\*\*\* Data withheld due to low population and/or case counts

**Adult/Adolescent Total Living HIV Cases:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

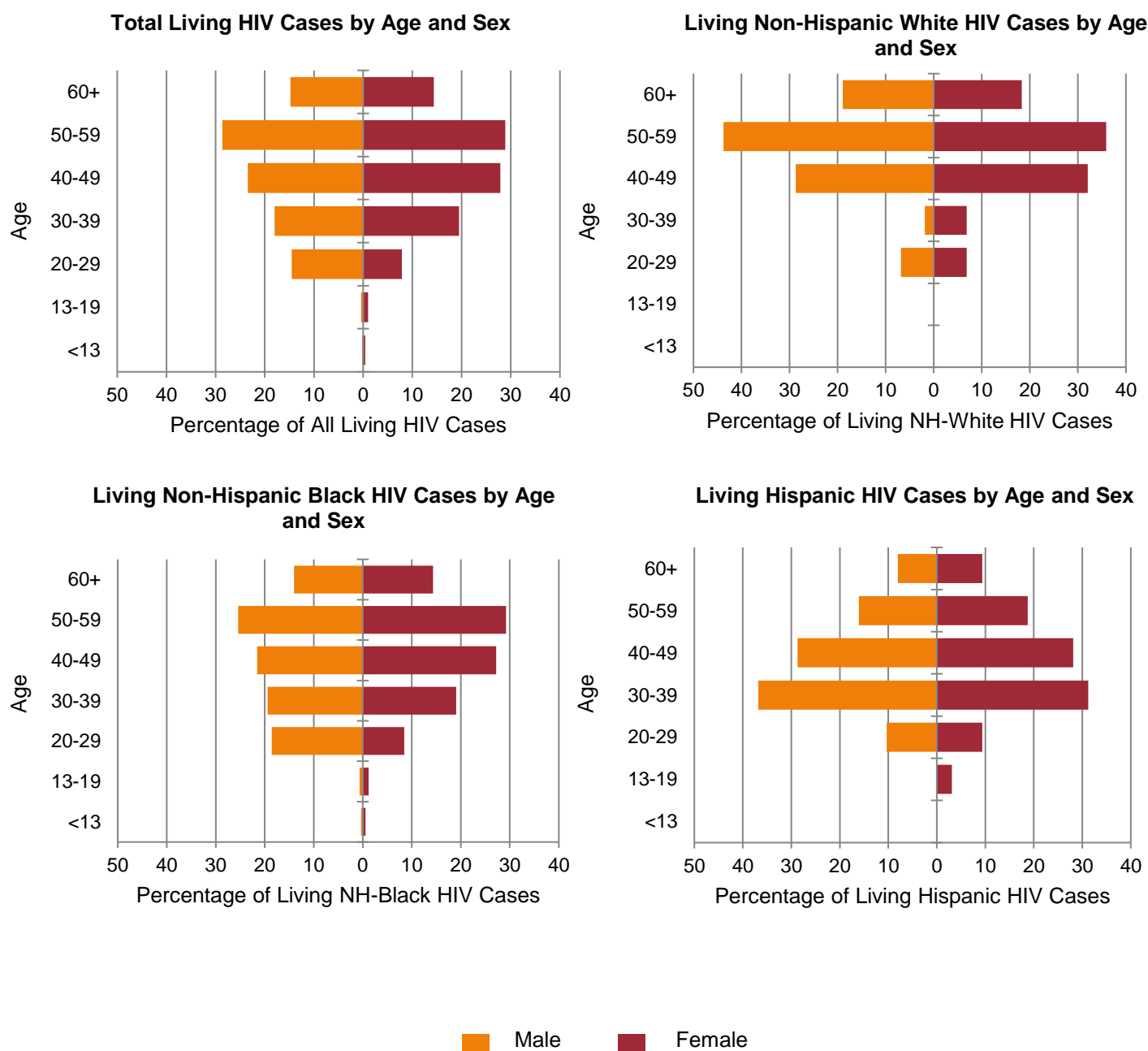
**Recent Viral Load Test Result:** The most recent viral load test result measured in the specified year, reported through 6/30/2016.

**Percent Suppressed (Viral Load):** Percent of adult/adolescent total living HIV cases with a most recent viral load measured in the specified year of less than 200 copies per milliliter, reported through 6/30/2016.

**Median Unsuppressed (Viral Load):** Median unsuppressed viral load (copies per milliliter) among adult/adolescent living HIV cases with a most recent viral load test result measured in the specified year, reported through 6/30/2016 of 200 copies per milliliter or greater.

## Section VI – HIV Cases by Expanded Demographics

**Figure 9 – Population Pyramids of Total Living HIV Cases by Current Age, Sex at Birth, and Race/Ethnicity, Alive on 12/31/2015 and Reported through 6/30/2016**



**Total Living HIV Cases:** Reported HIV diagnoses with or without an AIDS diagnosis and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Table 16 – Total Living Male HIV Cases by Current Age and Race/Ethnicity, Alive on 12/31/2015 and Reported through 6/30/2016**

MALES						
AGE ON 12/31/2015		RACE/ETHNICITY				TOTAL MALES BY AGE GROUP
		Hispanic	Non- Hispanic Black, only	Non- Hispanic White, only	Non- Hispanic Other Race	
<13 (Pediatric)	Population	5,940	20,758	30,356	8,164	65,218
	Cases	0	4	0	0	4
	Rate	0.0	19.3	0.0	0.0	6.1
	Ratio (1 in X)	--	5,189	--	--	16,304
13-19	Population	2,317	12,014	18,385	3,726	36,442
	Cases	0	8	0	0	8
	Rate	0.0	66.6	0.0	0.0	22.0
	Ratio (1 in X)	--	1,501	--	--	4,555
20-29	Population	3,591	16,374	30,546	5,239	55,750
	Cases	9	216	30	17	272
	Rate	250.6	1,319.2	98.2	324.5	487.9
	Ratio (1 in X)	399	75	1,018	308	204
30-39	Population	4,359	13,836	27,942	5,206	51,343
	Cases	32	226	55	25	338
	Rate	734.1	1,633.4	196.8	480.2	658.3
	Ratio (1 in X)	136	61	508	208	151
40-49	Population	2,887	13,861	27,700	4,492	48,940
	Cases	25	251	126	38	440
	Rate	866.0	1,810.8	454.9	845.9	899.1
	Ratio (1 in X)	115	55	219	118	111
50-59	Population	1,722	12,793	38,020	3,397	55,932
	Cases	14	296	192	35	537
	Rate	813.0	2,313.8	505.0	1,030.3	960.1
	Ratio (1 in X)	123	43	198	97	104
60+	Population	1,324	13,629	60,966	3,998	79,917
	Cases	7	163	83	24	277
	Rate	529	1,196	136	600	347
	Ratio (1 in X)	189	83	734	166	288
TOTAL MALES BY RACE/ETHNICITY	Population	22,140	103,265	233,915	34,222	393,542
	Cases	87	1,164	486	139	1,876
	Rate	393.0	1,127.2	207.8	406.2	476.7
	Ratio (1 in X)	254	88	481	246	209

**Age on [date]:** Age group of living cases on the specified date.

**Total Living HIV Cases:** Reported HIV diagnoses with or without an AIDS diagnosis and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Population:** Population estimate for 7/1/2015.

**Rate:** A proportion used to represent risk for disease within a given population. It is calculated by dividing the number of diagnoses by the number of persons at risk (population estimate).

**Ratio (1 in X):** Number of people for every 1 living HIV case in the population, or 1 living HIV case in every X number of people.

**Table 17 – Total Living Female HIV Cases by Current Age and Race/Ethnicity, Alive on 12/31/2015 and Reported through 6/30/2016**

FEMALES						
AGE ON 12/31/2015		RACE/ETHNICITY				TOTAL FEMALES BY AGE GROUP
		Hispanic	Non- Hispanic Black, only	Non- Hispanic White, only	Non-Hispanic Other Race	
<13 (Pediatric)	Population	6,023	21,019	29,382	7,751	64,174
	Cases	0	4	0	0	4
	Rate	0.0	19.0	0.0	0.0	6.2
	Ratio (1 in X)	--	5,254	--	--	16,043
13-19	Population	2,347	11,939	17,992	3,714	35,993
	Cases	1	9	0	0	10
	Rate	42.6	75.4	0.0	0.0	27.8
	Ratio (1 in X)	2,347	1,326	--	--	3,599
20-29	Population	3,363	18,406	30,699	5,402	57,870
	Cases	3	63	9	3	78
	Rate	89.2	342.3	29.3	55.5	134.8
	Ratio (1 in X)	1,121	292	3,411	1,800	741
30-39	Population	3,673	18,161	28,456	5,729	56,019
	Cases	10	142	26	15	193
	Rate	272.3	781.9	91.4	261.8	344.5
	Ratio (1 in X)	367	127	1,094	381	290
40-49	Population	2,459	17,763	29,228	5,115	54,565
	Cases	9	203	42	22	276
	Rate	366.0	1,142.8	143.7	430.1	505.8
	Ratio (1 in X)	273	87	695	232	197
50-59	Population	1,581	16,928	40,833	3,823	63,165
	Cases	6	218	47	15	286
	Rate	379.5	1,287.8	115.1	392.4	452.8
	Ratio (1 in X)	263	77	868	254	220
60+	Population	1,672	21,371	78,321	4,436	105,800
	Cases	3	107	24	8	142
	Rate	179.4	500.7	30.6	180.3	134.2
	Ratio (1 in X)	557	199	3,263	554	745
TOTAL FEMALES BY RACE/ETHNICITY	Population	21,118	125,587	254,911	35,970	437,586
	Cases	32	746	148	63	989
	Rate	151.5	594.0	58.1	175.1	226.0
	Ratio (1 in X)	659	168	1,722	570	442

**Age on [date]:** Age group of living cases on the specified date.

**Total Living HIV Cases:** Reported HIV diagnoses with or without an AIDS diagnosis and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Population:** Population estimate for 7/1/2015.

**Rate:** A proportion used to represent risk for disease within a given population. It is calculated by dividing the number of diagnoses by the number of persons at risk (population estimate).

**Ratio (1 in X):** Number of people for every 1 living HIV case in the population, or 1 living HIV case in every X number of people.



## Section VII – HIV Exposure Category

**Table 18 – Adult/Adolescent HIV Diagnoses during 2015, First CD4 Test Result, Percent Linked to Care, and Percent Late Diagnosis, by Exposure Category and Sex at Birth, Reported through 6/30/2016**

EXPOSURE CATEGORY	ADULT/ADOLESCENT HIV DIAGNOSES						First CD4 Test Result		
	No.	% of Total with Exposure	No. Linked to Care	% Linked to Care	No. of Late Diagnoses	% Late Diagnosis	No. with Test	% with Test	Median Count
<b>With Exposure*</b>	85	100.0%	75	88.2%	18	21.2%	75	88.2%	424
Men who have Sex with Men (MSM)	41	48.2%	35	85.4%	7	17.1%	34	82.9%	432
Injection Drug Users (IDU)	***	***	***	***	***	***	***	***	***
Men who have Sex with Men and Inject Drugs (MSM/IDU)	***	***	***	***	***	***	***	***	***
Heterosexual Exposure (HET)	39	45.9%	36	92.3%	10	25.6%	36	92.3%	417
Other Exposure	***	***	***	***	***	***	***	***	***
<b>No Reported Exposure</b>	48		38	79.2%	15	31.3%	34	70.8%	330
<b>TOTAL</b>	133		113	85.0%	33	24.8%	109	82.0%	384

MALE EXPOSURE CATEGORY	ADULT/ADOLESCENT REPORTED HIV DIAGNOSES						First CD4 Test Result		
	No.	% of Total with Exposure	No. Linked to Care	% Linked to Care	No. of Late Diagnoses	% Late Diagnosis	No. with Test	% with Test	Median Count
<b>With Exposure*</b>	55	100.0%	48	87.3%	11	20.0%	48	87.3%	432
Men who have Sex with Men (MSM)	41	74.5%	35	85.4%	7	17.1%	34	82.9%	432
Injection Drug Users (IDU)	***	***	***	***	***	***	***	***	***
Men who have Sex with Men and Inject Drugs (MSM/IDU)	***	***	***	***	***	***	***	***	***
Heterosexual Exposure (HET)	12	21.8%	12	100.0%	4	33.3%	12	100.0%	493
Other Exposure	***	***	***	***	***	***	***	***	***
<b>No Reported Exposure</b>	31		23	74.2%	11	35.5%	20	64.5%	146
<b>TOTAL</b>	86		71	82.6%	22	25.6%	68	79.1%	366

FEMALE EXPOSURE CATEGORY	ADULT/ADOLESCENT REPORTED HIV DIAGNOSES						First CD4 Test Result		
	No.	% of Total with Exposure	No. Linked to Care	% Linked to Care	No. of Late Diagnoses	% Late Diagnosis	No. with Test	% with Test	Median Count
<b>With Exposure*</b>	30	100.0%	27	90.0%	7	23.3%	27	90.0%	420
Injection Drug Users (IDU)	***	***	***	***	***	***	***	***	***
Heterosexual Exposure (HET)	27	90.0%	24	88.9%	6	22.2%	24	88.9%	417
Other Exposure	***	***	***	***	***	***	***	***	***
<b>No Reported Exposure</b>	17		15	88.2%	4	23.5%	14	82.4%	443
<b>TOTAL</b>	47		42	89.4%	11	23.4%	41	87.2%	424

\* 2014-2015 reported HIV exposure data are preliminary.

\*\*\* Data withheld due to low population and/or case counts

**Adult/Adolescent Reported HIV Diagnoses:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an initial HIV diagnosis during the specified year.

**First CD4 Test Result:** First reported CD4 test result obtained within 12 months following initial HIV diagnosis.



**Median Count (First CD4):** Median CD4 count (cells per microliter) of the first CD4 test result reported within 12 months following initial HIV diagnosis.

**Number Linked to Care:** Number of adult/adolescent reported HIV diagnoses with a CD4 or viral load test performed less than or equal to 3 months after their initial HIV diagnosis calculated from Percent Linked to Care.

**Percent Linked to Care:** Percent of adult/adolescent reported HIV diagnoses with a CD4 or viral load test performed less than or equal to 3 months after their initial HIV diagnosis.

**Number of Late HIV diagnosis (for HIV diagnoses):** Number of adult/adolescent reported HIV diagnoses with an initial AIDS diagnosis less than or equal to 12 months after their initial HIV diagnosis calculated from Percent Late HIV Diagnosis.

**Percent Late HIV Diagnosis (for HIV diagnoses):** Percent of adult/adolescent reported HIV diagnoses with an initial AIDS diagnosis less than or equal to 12 months after their initial HIV diagnosis.

**Table 19 – Adult/Adolescent AIDS Diagnoses during 2015, Mean Years from HIV Diagnosis and Percent Late HIV Diagnosis, by Exposure Category and Sex at Birth, Reported through 6/30/2016**

EXPOSURE CATEGORY	ADULT/ADOLESCENT AIDS DIAGNOSES			
	No.	% of Total with Exposure	Mean Years from HIV Diagnosis	% Late HIV Diagnosis
<b>With Exposure*</b>	52	100.0%	5.8	38.5%
Men who have Sex with Men (MSM)	25	48.1%	5.8	36.0%
Injection Drug Users (IDU)	8	15.4%	6.8	25.0%
Men who have Sex with Men and Inject Drugs (MSM/IDU)	***	***	***	***
Heterosexual Exposure (HET)	18	34.6%	4.7	50.0%
Other Exposures	***	***	***	***
<b>No Reported Exposure</b>	21		2.6	71.4%
<b>TOTAL</b>	73		4.9	47.9%

MALE EXPOSURE CATEGORY	ADULT/ADOLESCENT AIDS DIAGNOSES			
	No.	% of Total with Exposure	Mean Years from HIV Diagnosis	% Late HIV Diagnosis
<b>With Exposure*</b>	39	100.0%	5.4	43.6%
Men who have Sex with Men (MSM)	25	64.1%	5.8	36.0%
Injection Drug Users (IDU)	6	15.4%	6.8	33.3%
Men who have Sex with Men and Inject Drugs (MSM/IDU)	***	***	***	***
Heterosexual Exposure (HET)	7	17.9%	0.6	85.7%
Other Exposures	***	***	***	***
<b>No Reported Exposure</b>	14		1.3	78.6%
<b>TOTAL</b>	53		4.3	52.8%

FEMALE EXPOSURE CATEGORY	ADULT/ADOLESCENT AIDS DIAGNOSES			
	No.	% of Total with Exposure	Mean Years from HIV Diagnosis	% Late HIV Diagnosis
<b>With Exposure*</b>	13	100.0%	7.2	23.1%
Injection Drug Users (IDU)	***	***	***	***
Heterosexual Exposure (HET)	11	84.6%	7.3	27.3%
Other Exposures	***	***	***	***
<b>No Reported Exposure</b>	7		5.3	57.1%
<b>TOTAL</b>	20		6.5	35.0%

\* 2014-2015 reported HIV exposure data are preliminary.

\*\*\* Data withheld due to low population and/or case counts

**Adult/Adolescent Reported AIDS Diagnoses:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an initial AIDS diagnosis during the specified year.

**Mean Years from HIV Diagnosis (to AIDS Diagnosis):** Mean number of years from initial HIV diagnosis to initial AIDS diagnosis for cases with a reported AIDS diagnosis.

**Percent Late HIV Diagnosis (for AIDS diagnoses):** Percent of adult/adolescent reported AIDS diagnoses with an initial HIV diagnosis less than or equal to 12 months prior to their initial AIDS diagnosis.

**Table 20 – Adult/Adolescent Living HIV Cases with and without AIDS by Exposure Category and Sex at Birth, Alive on 12/31/2015 and Reported through 6/30/2016**

EXPOSURE CATEGORY	ADULT/ADOLESCENT LIVING HIV CASES WITHOUT AIDS		ADULT/ADOLESCENT LIVING HIV CASES WITH AIDS		ADULT/ADOLESCENT TOTAL LIVING HIV CASES	
	No.	% of Total with Exposure	No.	% of Total with Exposure	No.	% of Total with Exposure
<b>With Exposure</b>	1,020	100.0%	1,328	100.0%	2,348	100.0%
Men who have Sex with Men (MSM)	472	46.3%	487	36.7%	959	40.8%
Injection Drug Users (IDU)	126	12.4%	291	21.9%	417	17.8%
Men who have Sex with Men and Inject Drugs (MSM/IDU)	19	1.9%	55	4.1%	74	3.2%
Heterosexual Exposure (HET)	400	39.2%	488	36.7%	888	37.8%
Other Exposures	3	0.3%	7	0.5%	10	0.4%
<b>No Reported Exposure*</b>	284		184		468	
<b>TOTAL</b>	1,304		1,512		2,816	

MALE EXPOSURE CATEGORY	ADULT/ADOLESCENT LIVING HIV CASES WITHOUT AIDS		ADULT/ADOLESCENT LIVING HIV CASES WITH AIDS		ADULT/ADOLESCENT TOTAL LIVING HIV CASES	
	No.	% of Total with Exposure	No.	% of Total with Exposure	No.	% of Total with Exposure
<b>With Exposure</b>	685	100.0%	869	100.0%	1,554	100.0%
Men who have Sex with Men (MSM)	472	68.9%	487	56.0%	959	61.7%
Injection Drug Users (IDU)	77	11.2%	164	18.9%	241	15.5%
Men who have Sex with Men and Inject Drugs (MSM/IDU)	19	2.8%	55	6.3%	74	4.8%
Heterosexual Exposure (HET)	116	16.9%	159	18.3%	275	17.7%
Other Exposures	1	0.1%	4	0.5%	5	0.3%
<b>No Reported Exposure</b>	177		124		301	
<b>TOTAL</b>	862		993		1,855	

FEMALE EXPOSURE CATEGORY	ADULT/ADOLESCENT LIVING HIV CASES WITHOUT AIDS		ADULT/ADOLESCENT LIVING HIV CASES WITH AIDS		ADULT/ADOLESCENT TOTAL LIVING HIV CASES	
	No.	% of Total with Exposure	No.	% of Total with Exposure	No.	% of Total with Exposure
<b>With Exposure</b>	335	100.0%	459	100.0%	794	100.0%
Injection Drug Users (IDU)	49	14.6%	127	27.7%	176	22.2%
Heterosexual Exposure (HET)	284	84.8%	329	71.7%	613	77.2%
Other Exposures	2	0.6%	3	0.7%	5	0.6%
<b>No Reported Exposure*</b>	107		60		167	
<b>TOTAL</b>	442		519		961	

\* Includes 1 HIV case without AIDS and 3 HIV cases with AIDS with Presumed Female Heterosexual exposure

**Adult/Adolescent Living HIV Cases without AIDS:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, without an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Adult/Adolescent Living HIV Cases with AIDS:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Adult/Adolescent Total Living HIV Cases:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Table 21 – Adult/Adolescent Total Living HIV Cases by Exposure Category, Race/Ethnicity, and Sex at Birth, Alive on 12/31/2015 and Reported through 6/30/2016**

EXPOSURE CATEGORY	ADULT/ADOLESCENT TOTAL LIVING HIV CASES					
	Race/Ethnicity					
	Hispanic		Non-Hispanic, Black, only		Non-Hispanic, White, only	
	No.	% of Total with Exposure	No.	% of Total with Exposure	No.	% of Total with Exposure
<b>With Exposure</b>	97	100.0%	1,536	100.0%	531	100.0%
Men who have Sex with Men (MSM)	48	49.5%	547	35.6%	281	52.9%
Injection Drug Users (IDU)	***	***	265	17.3%	103	19.4%
Men who have Sex with Men and Inject Drugs (MSM/IDU)	***	***	45	2.9%	20	3.8%
Heterosexual Exposure (HET)	32	33.0%	673	43.8%	124	23.4%
Other Exposures	0	0.0%	6	0.4%	3	0.6%
<b>No Reported Exposure*</b>	20		334		98	
<b>TOTAL</b>	117		1,870		629	

MALE EXPOSURE CATEGORY	ADULT/ADOLESCENT TOTAL LIVING HIV CASES					
	Race/Ethnicity					
	Hispanic		Non-Hispanic, Black, only		Non-Hispanic, White, only	
	No.	% of Total with Exposure	No.	% of Total with Exposure	No.	% of Total with Exposure
<b>With Exposure</b>	72	100.0%	951	100.0%	404	100.0%
Men who have Sex with Men (MSM)	48	66.7%	547	57.5%	281	69.6%
Injection Drug Users (IDU)	***	***	165	17.4%	50	12.4%
Men who have Sex with Men and Inject Drugs (MSM/IDU)	***	***	45	4.7%	20	5.0%
Heterosexual Exposure (HET)	12	16.7%	191	20.1%	51	12.6%
Other Exposures	0	0.0%	3	0.3%	2	0.5%
<b>No Reported Exposure</b>	15		196		79	
<b>TOTAL</b>	87		1,147		483	

FEMALE EXPOSURE CATEGORY	ADULT/ADOLESCENT TOTAL LIVING HIV CASES					
	Race/Ethnicity					
	Hispanic		Non-Hispanic, Black, only		Non-Hispanic, White, only	
	No.	% of Total with Exposure	No.	% of Total with Exposure	No.	% of Total with Exposure
<b>With Exposure</b>	25	100.0%	585	100.0%	127	100.0%
Injection Drug Users (IDU)	5	20.0%	100	17.1%	53	41.7%
Heterosexual Exposure (HET)	20	80.0%	482	82.4%	73	57.5%
Other Exposures	0	0.0%	3	0.5%	1	0.8%
<b>No Reported Exposure*</b>	5		138		19	
<b>TOTAL</b>	30		723		146	

\* Includes 1 Hispanic case and 3 non-Hispanic black cases with Presumed Female Heterosexual exposure

\*\*\* Data withheld due to low population and/or case counts

**Adult/Adolescent Total Living HIV Cases:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Table 22 – Adult/Adolescent Total Living HIV Cases, Recent CD4 Test Results by Exposure Category, Alive on 12/31/2015 and Reported through 6/30/2016**

EXPOSURE CATEGORY	ADULT/ADOLESCENT TOTAL LIVING HIV CASES							
	No.	Recent CD4 Test Results						
		No. with Test	% with Test	Median Count	<200	200-349	350-499	500+
<b>With Exposure</b>	2,348	1,408	60.0%	566	12.1%	12.8%	16.6%	58.5%
Men who have Sex with Men (MSM)	959	544	56.7%	570	11.9%	12.5%	15.1%	60.5%
Injection Drug Users (IDU)	417	264	63.3%	516	15.5%	17.8%	15.2%	51.5%
Men who have Sex with Men and Inject Drugs (MSM/IDU)	74	42	56.8%	599	16.7%	11.9%	14.3%	57.1%
Heterosexual Exposure (HET)	888	553	62.3%	587	9.9%	10.8%	18.8%	60.4%
Other Exposures	10	5	50.0%	445	40.0%	0.0%	40.0%	20.0%
<b>No Reported Exposure*</b>	468	203	43.4%	558	11.3%	17.2%	16.7%	54.7%
<b>TOTAL</b>	2,816	1,611	57.2%	564	12.0%	13.3%	16.6%	58.0%

\* Includes 4 cases with Presumed Female Heterosexual exposure

**Table 23 – Adult/Adolescent Total Living HIV Cases, Recent Viral Load Test Results by Exposure Category, Alive on 12/31/2015 and Reported through 6/30/2016**

EXPOSURE CATEGORY	ADULT/ADOLESCENT TOTAL LIVING HIV CASES				
	No.	Recent Viral Load Test Results			
		No. with Test	% with Test	% Suppressed	Median Count
<b>With Exposure</b>	2,348	1,282	54.6%	78.3%	13,160
Men who have Sex with Men (MSM)	959	518	54.0%	79.5%	13,330
Injection Drug Users (IDU)	417	223	53.5%	70.9%	11,700
Men who have Sex with Men and Inject Drugs (MSM/IDU)	74	36	48.6%	77.8%	35,909
Heterosexual Exposure (HET)	888	501	56.4%	80.8%	11,570
Other Exposures	10	4	40.0%	25.0%	5,370
<b>No Reported Exposure*</b>	468	200	42.7%	76.5%	10,760
<b>TOTAL</b>	2,816	1,482	52.6%	78.1%	12,589

\* Includes 4 cases with Presumed Female Heterosexual exposure

**Adult/Adolescent Total Living HIV Cases:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Recent CD4 Test Result:** The most recent CD4 test result measured in the specified year, reported through 6/30/2016.

**Median Count (Recent CD4):** Median CD4 count (cells per microliter) of the most recent CD4 test result measured in the specified year, as reported through 6/30/2016.

**CD4 Result Distribution (<200, 200-349, 350-499, 500+):** Percent of cases with a CD4 test distributed by their CD4 count results (cells per microliter).

**Recent Viral Load Test Result:** The most recent viral load test result measured in the specified year, reported through 6/30/2016.

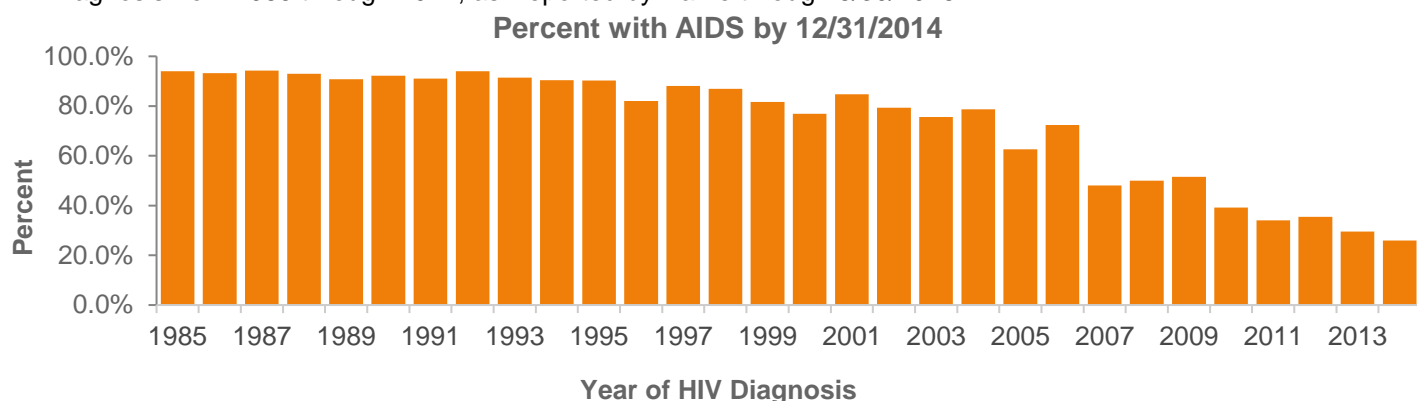
**Percent Suppressed (Viral Load):** Percent of adult/adolescent total living HIV cases with a most recent viral load measured in the specified year of less than 200 copies per milliliter reported through 6/30/2016.

**Median Unsuppressed (Viral Load):** Median unsuppressed viral load (copies per milliliter) among adult/adolescent living HIV cases with a most recent viral load test result measured in the specified year of 200 copies per milliliter or greater, reported through 6/30/2016.

## Section VIII – Disease Progression and Mortality

**Figure 10 – Trends in Disease Progression by Year of HIV Diagnosis, 1985-2014, Reported through 6/30/2016**

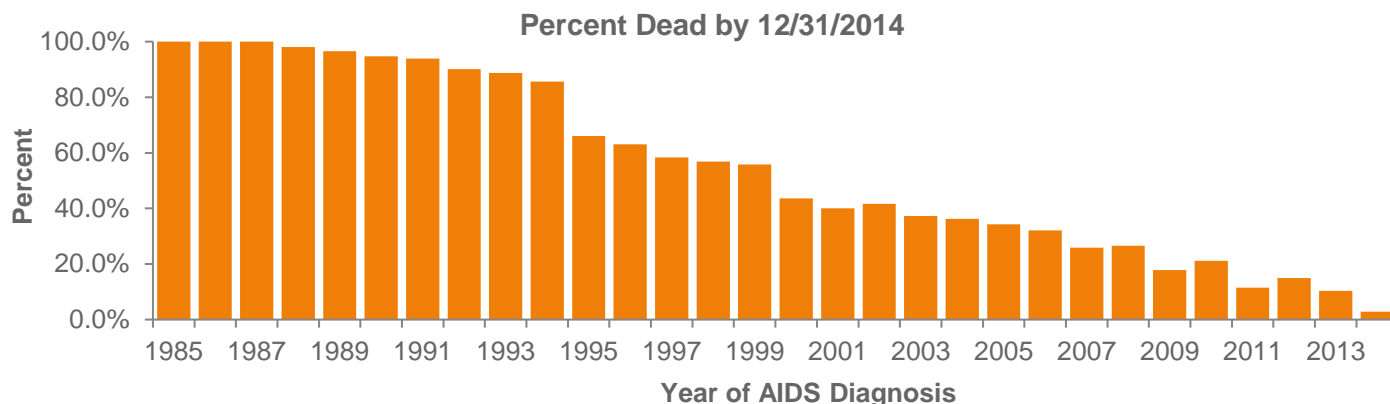
Number of Adult/Adolescent Reported HIV Cases, Age 13+ at HIV Diagnosis, with or without an AIDS Diagnosis by 06/30/2014 (Adult/Adolescent Reported HIV Diagnoses), Number of Adult/Adolescent Reported HIV Cases with an AIDS Diagnosis by 12/31/2015 (Reported AIDS Diagnoses), Percent by Year of HIV Diagnosis of Adult/Adolescent Reported HIV Diagnoses with a Reported AIDS Diagnosis by 12/31/2015, the Average Years from HIV Diagnosis to AIDS Diagnosis for Cases with an AIDS Diagnosis, and the Percent by Year of HIV Diagnosis of Reported Adult/Adolescent HIV Diagnoses with a Reported AIDS Diagnosis at 1 Year, 2 Years, 5 Years, and 10 Years after HIV Diagnosis, by Year of HIV Diagnosis from 1985 through 2014, as Reported by Name through 6/30/2016



YEAR OF HIV DIAGNOSIS	ADULT/ADOLESCENT REPORTED HIV DIAGNOSES							
	No.	Reported AIDS Diagnoses			Percent with AIDS by Years After HIV Diagnosis			
		No.	% with AIDS	Mean Years from HIV to AIDS	1 Year	2 Years	5 Years	10 Years
<1985	41	38	92.7%	8.1	24.4%	24.4%	26.8%	58.5%
1985	67	63	94.0%	6.8	28.4%	28.4%	37.3%	73.1%
1986	73	68	93.2%	5.7	32.9%	32.9%	43.8%	79.5%
1987	86	81	94.2%	4.0	38.4%	41.9%	58.1%	88.4%
1988	129	120	93.0%	3.8	45.0%	46.5%	65.9%	85.3%
1989	142	129	90.8%	3.8	40.8%	45.1%	63.4%	82.4%
1990	166	153	92.2%	2.7	45.8%	54.2%	78.9%	86.7%
1991	202	184	91.1%	3.0	47.0%	55.0%	72.8%	82.2%
1992	201	189	94.0%	2.6	49.8%	60.2%	77.6%	88.6%
1993	151	138	91.4%	2.2	53.6%	60.3%	77.5%	88.7%
1994	135	122	90.4%	2.5	49.6%	57.8%	74.1%	86.7%
1995	154	139	90.3%	2.4	55.2%	60.4%	75.3%	85.7%
1996	156	128	82.1%	1.3	64.1%	67.9%	74.4%	79.5%
1997	160	141	88.1%	2.2	59.4%	60.6%	72.5%	83.8%
1998	153	133	86.9%	1.5	62.1%	67.3%	77.1%	85.6%
1999	158	129	81.6%	1.8	57.0%	59.5%	71.5%	78.5%
2000	143	110	76.9%	1.7	53.8%	58.0%	67.1%	75.5%
2001	157	133	84.7%	1.4	61.8%	68.8%	77.1%	81.5%
2002	232	184	79.3%	1.6	60.3%	63.8%	69.8%	76.3%
2003	172	130	75.6%	1.1	59.9%	64.5%	68.6%	73.3%
2004	178	140	78.7%	1.2	61.8%	66.9%	72.5%	76.4%
2005	171	107	62.6%	1.2	48.5%	49.7%	57.3%	62.6%
2006	203	147	72.4%	0.9	60.1%	64.0%	67.5%	--
2007	189	91	48.1%	1.2	35.4%	38.6%	43.4%	--
2008	190	95	50.0%	1.1	37.9%	38.9%	47.4%	--
2009	182	94	51.6%	1.3	36.3%	38.5%	47.8%	--
2010	209	82	39.2%	1.2	26.3%	29.2%	38.3%	--
2011	164	56	34.1%	0.6	28.7%	32.3%	--	--
2012	155	55	35.5%	0.8	27.1%	31.0%	--	--
2013	125	37	29.6%	0.3	27.2%	29.6%	--	--
2014	169	44	26.0%	0.3	23.7%	--	--	--
TOTAL	4,813	3,460	71.9%	2.2	46.6%	50.7%	60.6%	68.6%

**Figure 11 – Trends in Survival Times by Year of AIDS Diagnosis, 1985-2014, Reported through 6/30/2016**

Number of Adult/Adolescent Reported HIV Cases, Age 13+ at HIV Diagnosis, with an AIDS Diagnosis by 12/31/14 (Adult/Adolescent Reported AIDS Diagnoses), Number of Adult/Adolescent Reported AIDS Diagnosis Reported to Have Died of Any Cause by 12/31/2015 (Reported AIDS Deaths), Percent by Year of AIDS Diagnosis of Adult/Adolescent Reported AIDS Diagnoses with a Reported AIDS Death (Percent Dead) by 12/31/2015, the Average Years from AIDS Diagnosis to Death for Cases that have Died, and the Percent by Year of AIDS Diagnosis of Adult/Adolescent Reported AIDS Diagnoses Not Reported to Have Died (Percent Alive) at 1 Year, 2 Years, 5 Years, and 10 Years after AIDS Diagnosis, by Year of AIDS Diagnosis from 1985 through 2014, as Reported by Name through 6/30/2016



YEAR OF HIV DIAGNOSIS	ADULT/ADOLESCENT REPORTED AIDS DIAGNOSES							
	No.	Reported AIDS Deaths			Percent Alive by Years After AIDS Diagnosis			
		No.	% Dead	Mean Years from AIDS to Death	1 Year	2 Years	5 Years	10 Years
<1985	8	8	100.0%	3.0	50.0%	25.0%	12.5%	12.5%
1985	17	17	100.0%	1.2	35.3%	5.9%	5.9%	0.0%
1986	22	22	100.0%	2.1	54.5%	40.9%	13.6%	0.0%
1987	35	35	100.0%	3.2	74.3%	45.7%	11.4%	8.6%
1988	51	50	98.0%	2.3	56.9%	39.2%	13.7%	3.9%
1989	59	57	96.6%	2.6	64.4%	40.7%	16.9%	6.8%
1990	75	71	94.7%	2.6	72.0%	52.0%	18.7%	9.3%
1991	114	107	93.9%	2.6	67.5%	47.4%	14.9%	11.4%
1992	141	127	90.1%	2.5	73.8%	49.6%	16.3%	12.8%
1993	159	141	88.7%	3.1	79.9%	49.7%	26.4%	17.0%
1994	118	101	85.6%	3.8	75.4%	56.8%	39.0%	23.7%
1995	150	99	66.0%	5.1	79.3%	68.0%	58.7%	48.0%
1996	119	75	63.0%	5.2	84.0%	77.3%	59.7%	48.7%
1997	120	70	58.3%	4.8	84.2%	79.2%	64.2%	50.0%
1998	95	54	56.8%	5.4	89.5%	81.1%	69.5%	53.7%
1999	120	67	55.8%	5.1	90.8%	82.5%	71.7%	49.2%
2000	94	41	43.6%	3.4	87.2%	81.9%	64.9%	59.6%
2001	120	48	40.0%	3.7	91.7%	81.7%	69.2%	63.3%
2002	173	72	41.6%	5.5	93.1%	90.8%	78.0%	67.1%
2003	118	44	37.3%	3.1	83.9%	81.4%	72.0%	64.4%
2004	116	42	36.2%	4.0	91.4%	89.7%	76.7%	67.2%
2005	102	35	34.3%	2.6	87.3%	82.4%	72.5%	65.7%
2006	134	43	32.1%	3.0	85.8%	82.8%	76.1%	--
2007	81	21	25.9%	2.4	86.4%	82.7%	80.2%	--
2008	94	25	26.6%	2.1	88.3%	85.1%	76.6%	--
2009	107	19	17.8%	2.1	92.5%	91.6%	83.2%	--
2010	109	23	21.1%	1.7	89.9%	87.2%	80.7%	--
2011	87	10	11.5%	2.3	97.7%	95.4%	--	--
2012	94	14	14.9%	1.1	92.6%	88.3%	--	--
2013	87	9	10.3%	0.5	93.1%	89.7%	--	--
2014	68	2	2.9%	0.9	98.5%	--	--	--
TOTAL	2,987	1,549	51.9%	3.5	84.1%	74.4%	60.3%	52.5%

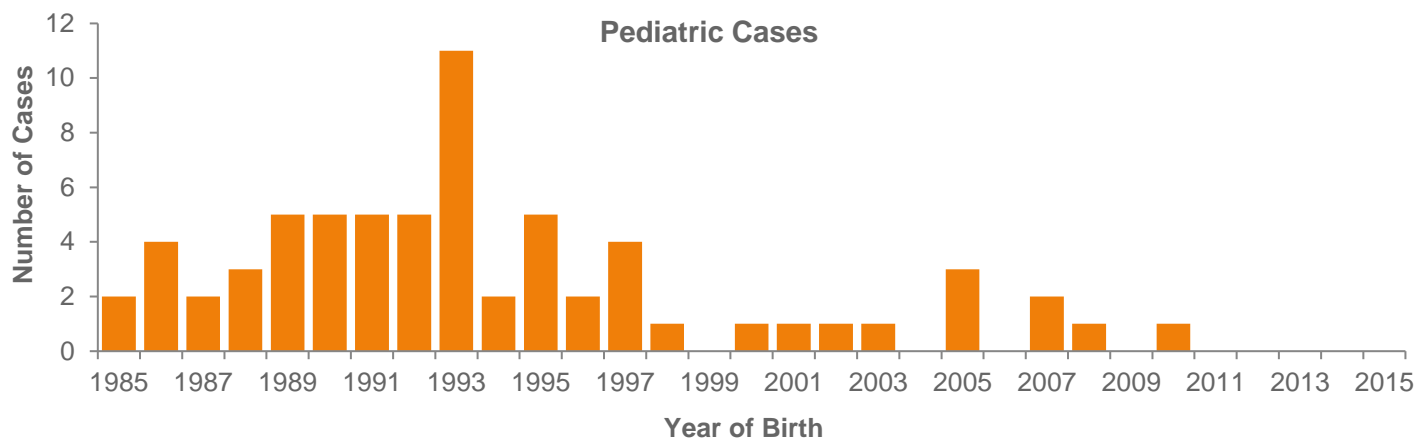
\*2014 AIDS deaths are preliminary.



## Section IX – Pediatric Cases

**Figure 12 – Trends in Pediatric HIV Cases, 1985-2015, Reported through 6/30/2016**

Number of Pediatric Reported HIV Cases, Age <13 at HIV Diagnosis, with or without an AIDS Diagnosis (Pediatric Reported HIV Diagnoses) by Year of Birth, by Year of HIV Diagnosis, by Year of AIDS Diagnosis, and by Year of Death Due to Any Cause, and Number of Pediatric Reported HIV Cases, Age <13 at HIV Diagnosis, with or without an AIDS Diagnosis and Not Reported to have Died as of December 31<sup>st</sup> of Each Year (Pediatric Total Living HIV Cases) from 1985 through 2015, as Reported by Name through 6/30/2016



YEAR	PEDIATRIC REPORTED HIV DIAGNOSES				PEDIATRIC TOTAL LIVING HIV CASES
	No. by Year of Birth	No. by Year of HIV Diagnosis	No. by Year of AIDS Diagnosis	No. by Year of Death	No. Alive on 12/31 of Each Year
<1985	2	1	1	0	
1985	2	0	0	0	0
1986	4	0	0	0	0
1987	2	2	2	0	0
1988	3	0	0	1	0
1989	5	4	3	2	1
1990	5	4	1	1	4
1991	5	4	2	0	7
1992	5	10	4	0	15
1993	11	5	2	1	18
1994	2	7	4	2	23
1995	5	2	1	2	24
1996	2	3	1	0	28
1997	4	1	0	0	30
1998	1	0	1	0	29
1999	0	0	1	0	28
2000	1	1	0	0	29
2001	1	2	0	0	32
2002	1	4	2	0	35
2003	1	0	1	0	34
2004	0	1	1	0	34
2005	3	1	0	0	35
2006	0	2	0	1	37
2007	2	7	0	0	45
2008	1	2	1	0	46
2009	0	3	2	2	47
2010	1	1	3	1	47
2011	0	1	2	1	46
2012	0	0	1	0	47
2013	0	1	1	0	50
2014	0	0	1	0	49
2015	0	0	0	0	49
TOTAL	69	69	38	14	



**Table 24 – Pediatric HIV Total Living HIV Cases, Alive on 12/31/2015, by Jurisdiction, Reported through 6/30/2016**

JURISDICTION OF RESIDENCE AT DIAGNOSIS	PEDIATRIC TOTAL LIVING HIV CASES	
	No.	% of Total
21030	1	2.0%
21117	4	8.2%
21133	5	10.2%
21207	12	24.5%
21208	3	6.1%
21215	1	2.0%
21219	1	2.0%
21220	1	2.0%
21221	5	10.2%
21222	5	10.2%
21224	2	4.1%
21228	2	4.1%
21234	4	8.2%
21237	1	2.0%
21244	2	4.1%
<b>TOTAL</b>	<b>49</b>	<b>100.0%</b>

**Jurisdiction of Residence at Diagnosis:** Jurisdiction of residence at time of initial HIV diagnosis for pediatric reported HIV diagnoses, and jurisdiction of residence at later of time of initial HIV diagnosis or initial AIDS diagnosis for pediatric total living HIV cases.

**Pediatric Total Living HIV Cases:** Reported HIV diagnosis, age less than 13 years at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Table 25 – Pediatric Total Living HIV Cases by Sex at Birth and Race/Ethnicity, Alive on 12/31/2015 and Reported through 6/30/2016**

SEX AT BIRTH	PEDIATRIC TOTAL LIVING HIV CASES	
	No.	% of Total
Male	28	57.1%
Female	21	42.9%
TOTAL	49	100.0%

RACE/ETHNICITY	PEDIATRIC TOTAL LIVING HIV CASES	
	No.	% of Total
Hispanic	2	4.1%
Non-Hispanic	47	95.9%
American Indian/ Alaska Native, only	0	0.0%
Asian, only	0	0.0%
Black, only	40	81.6%
Native Hawaiian/Other Pacific Islander, only	0	0.0%
White, only	5	10.2%
Multiracial/Other	2	4.1%
TOTAL	49	100.0%

**Pediatric Reported HIV Diagnoses:** Reported HIV diagnoses, age less than 13 years at HIV diagnosis, with or without an AIDS diagnosis, with initial HIV diagnosis during the specified year.

**Pediatric Total Living HIV Cases:** Reported HIV diagnosis, age less than 13 years at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

# Glossary of Terms

**Adult/Adolescent Living HIV Cases with AIDS:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Adult/Adolescent Living HIV Cases without AIDS:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, without an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Adult/Adolescent Reported AIDS Diagnoses:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an initial AIDS diagnosis during the specified year.

**Adult/Adolescent Reported HIV Diagnoses:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an initial HIV diagnosis during the specified year.

**Adult/Adolescent Total Living HIV Cases:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Age at AIDS Diagnosis:** Age group at time of initial AIDS diagnosis.

**Age at HIV Diagnosis:** Age group at time of initial HIV diagnosis.

**Age on [date]:** Age group of living cases on the specified date.

**AIDS Deaths:** Reported HIV diagnoses with an AIDS diagnosis that have died due to any cause.

**CD4 Result Distribution (<200, 200-349, 350-499, 500+):** Percent of cases with a CD4 test distributed by their CD4 count results (cells per microliter).

**Confirmed Perinatal HIV Transmissions:** Reported babies born to an HIV positive mother, with a confirmed HIV diagnosis.

**Current Residence:** Jurisdiction of residence from the most recent laboratory test or case report between 1/1/2009-6/30/2016.

**First CD4 Test Result:** First reported CD4 test result obtained within 12 months following initial HIV diagnosis.

**Jurisdiction of Residence:** Jurisdiction of residence at time of initial HIV diagnosis or most recent lab test.

**Jurisdiction of Residence at AIDS Diagnosis:** Jurisdiction of residence at time of initial AIDS diagnosis.

**Jurisdiction of Residence at Diagnosis:** Jurisdiction of residence at the later of time of initial HIV diagnosis or time of initial AIDS diagnosis.

**Jurisdiction of Residence at HIV Diagnosis:** Jurisdiction of residence at time of initial HIV diagnosis.

**Live Births:** Babies born alive in the general population.

**Living HIV Cases with AIDS:** Reported HIV diagnoses with an AIDS diagnosis and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Living HIV Cases without AIDS:** Reported HIV diagnoses without an AIDS diagnosis and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Mean Years from HIV Diagnosis (to AIDS Diagnosis):** Mean or average number of years from initial HIV diagnosis to initial AIDS diagnosis for cases with a reported AIDS diagnosis.

**Mean Years from AIDS diagnosis to AIDS Death:** Mean or average number of years from initial AIDS diagnosis to death for adult/adolescent reported AIDS diagnoses with a reported death.

**Median:** The measure of central location, which divides a set of data into two equal parts.

**Median Count (First CD4):** Median CD4 count (cells per microliter) of the first CD4 test result reported within 12 months following initial HIV diagnosis.

**Median Count (Recent CD4):** Median CD4 count (cells per microliter) of the most recent CD4 test result measured in the specified year, reported through 6/30/2016.

**Median Unsuppressed (Viral Load):** Median unsuppressed viral load (copies per milliliter) among adult/adolescent living HIV cases with a most recent viral load test result measured in the specified year of 200 copies per milliliter or greater, reported through 6/30/2016.

**Number Linked to Care:** Number of adult/adolescent reported HIV diagnoses with a CD4 or viral load test performed less than or equal to 3 months after their initial HIV diagnosis calculated from Percent Linked to Care.

**Number of Late HIV diagnosis (for HIV diagnoses):** Number of adult/adolescent reported HIV diagnoses with an initial AIDS diagnosis less than or equal to 12 months after their initial HIV diagnosis calculated from Percent Late HIV Diagnosis.

**Pediatric Reported HIV Diagnoses:** Reported HIV diagnoses, age less than 13 years at HIV diagnosis, with or without an AIDS diagnosis, with initial HIV diagnosis during the specified year.

**Pediatric Total Living HIV Cases:** Reported HIV diagnosis, age less than 13 years at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Percent Alive by Years after AIDS Diagnosis:** Percent of adult/adolescent reported AIDS diagnoses not reported to have died at 1 year, 2 years, 5 years and 10 years after initial AIDS diagnosis, by year of AIDS diagnosis.

**Percent Late HIV Diagnosis (for AIDS diagnoses):** Percent of adult/adolescent reported AIDS diagnoses with an initial HIV diagnosis less than or equal to 12 months prior to their initial AIDS diagnosis.

**Percent Late HIV Diagnosis (for HIV diagnoses):** Percent of adult/adolescent reported HIV diagnoses with an initial AIDS diagnosis less than or equal to 12 months after their initial HIV diagnosis.

**Percent Linked to Care:** Percent of adult/adolescent reported HIV diagnoses with a CD4 or viral load test performed less than or equal to 3 months after their initial HIV diagnosis.

**Percent Suppressed (Viral Load):** Percent of adult/adolescent total living HIV cases with a most recent viral load measured in the specified year of less than 200 copies per milliliter, reported through 6/30/2016.

**Percent with AIDS:** Percent of adult/adolescent reported HIV diagnoses in the specified year with an initial AIDS diagnosis by 12/31/2015.

**Percent with AIDS by Years after HIV Diagnosis:** Percent of adult/adolescent reported HIV diagnoses in the specified year with an initial AIDS diagnosis at 1 year, 2 years, 5 years and 10 years after HIV diagnosis.

**Population:** Population estimate for 7/1/2015.

**Population Age 13+:** Population age 13 years or older, estimate for 7/1/2015.

**Rate:** A proportion used to represent risk for disease within a given population. It is calculated by dividing the number of diagnoses by the number of persons at risk (population estimate).

**Ratio (1 in X):** Number of people for every 1 living HIV case in the population, or 1 living HIV case in every X number of people.

**Recent CD4 Test Result:** The most recent CD4 test result measured in the specified year, reported through 6/30/2016.

**Recent Viral Load Test Result:** The most recent viral load test result measured in the specified year, reported through 6/30/2016.

**Reported AIDS Deaths:** Reported HIV diagnoses with an AIDS diagnosis, reported to have died of any cause during the specified year.

**Reported AIDS Diagnoses:** Reported HIV diagnoses with an initial AIDS diagnosis during the specified year.

**Reported HIV Diagnoses:** Reported HIV diagnoses with an initial HIV diagnosis during the specified year.

**Retained in HIV Care:** HIV Diagnosed with a CD4 test result measured in the specified year, reported through 6/30/2016.

**Total Living HIV Cases:** Reported HIV diagnoses with or without an AIDS diagnosis and not reported to have died as of December 31<sup>st</sup> of the specified year.